



Solar Europe
Importers

**PRODUCT
CATALOG**

2024

Solar Europe (Pty) LTD

087 654 4800

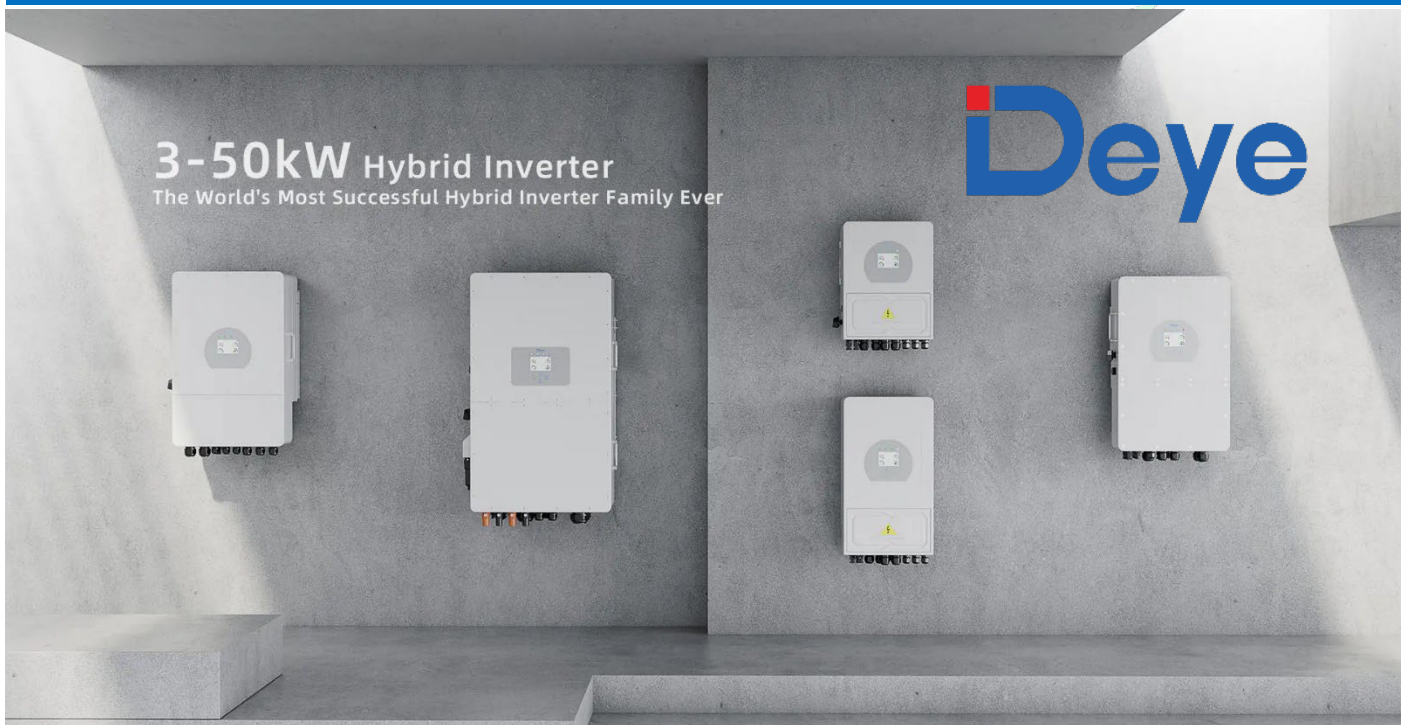
www.solar-europe.co.za | info@solar-europe.co.za

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INVERTERS



SKU	Product Description	Warranty
SUN-5K-SG01LP1-EU	Deye 5kW Hybrid Inverter 1-Phase LV VOC: 500V Battery: 48V CT&WIFI Incl	5-Years
SUN-8K-SG01LP1-EU	Deye 8kW Hybrid Inverter 1-Phase LV VOC: 500V Battery: 48V CT&WIFI Incl	5-Years
SUN-12K-SG04LP3	Deye 12kW Hybrid Inverter 3-Phase LV VOC: 800V Battery: 48V CT&WIFI Incl	5-Years
SUN-16K-SG01LP1-EU	Deye 16kW Hybrid Inverter 1-Phase LV VOC: 800V Battery: 48V CT&WIFI Incl	5-Years
SUN-20K-SG01HP3-EU-AM2	Deye 20kW Hybrid Inverter 3-Phase HV	5-Years
SUN-50K-SG01HP3-EU-BM4	Deye 50kW Hybrid Inverter 3-Phase HV	5-Years

Link to Website: [Deye Hybrid Inverters](#)



Scan this QR
code to register



BIG NEWS!!!
10-Year warranty

LEM^{ON}EN  **Dyness**

SUNWODA
ENERGY

 **shoto**

VOLTA

LU X POWER^{TEK}



SKU	Product Description	Warranty
LUX-SNA5000WPV	LuxPower 5kW Off-Grid Inverter 1-Phase LV	2-Years
LUX-LXP5K-LV	LuxPower 5kW Hybrid Inverter 1-Phase LV	5-Years
LUX-LXP-LB10K	LuxPower 10kW Hybrid Inverter 1-Phase LV	5-Years
LUX-LXP-LB12K	LuxPower 12kW Hybrid Inverter 1-Phase LV	5-Years
Link to Website: LuxPower Off-Grid Inverter LuxPower Hybrid Inverters		


Solar Europe
 Importers



Deye LU X POWER^{TEK}

OUT OF WARRANTY REPAIRS

info@solar-europe.co.za / 087 654 4800



POWER FREEDOM WITH SRNE INVERTERS.

SRNE SOLAR CHARGE INVERTER

CONTACT US

- Cost savings
- Uninterrupted power supply
- Freedom



3Kw

10Kw

5Kw

SKU	Product Description	Warranty
SR-HF2430S60-100	SRNE 3kW Off-Grid Inverter 1-Phase VOC: 100V Battery: 48V PV: 1400W	2-Years
SR-HF2430S80-H	SRNE 3.3kW Off-Grid Inverter 1-Phase VOC: 500V Battery: 48V PV: 4000W	2-Years
HYP4850S100-H	SRNE 5kW Off-Grid Inverter 1-Phase VOC: 500V Battery: 48V PV: 5500W	2-Years
ASF48100S200-H	SRNE 10kW Off-Grid Inverter 1-Phase VOC: 500V Battery: 48V PV: 5.5kW + 5.5kW	2-Years
SR-EOV24	SRNE Vertical Energy Storage System (All-In-1) 3.5kW Inverter & 5.12kWh Battery	2-Years

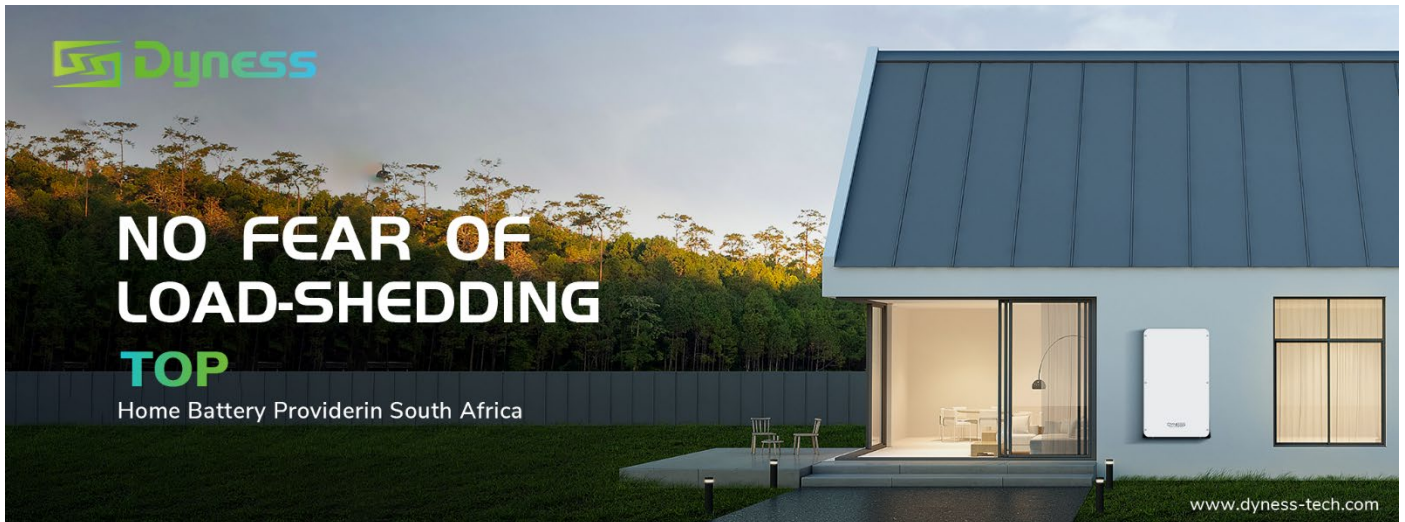
Link to Website: [SRNE Off-Grid Inverters](#)



Your Authorized Repair Centre for:



repairs@solar-europe.co.za | 087 654 4800



SKU	Product Description							Warranty
Dyne-5.0L-1P-A	Dyness 5kW Hybrid Inverter	1-Phase	LV	VOC: 600V	Battery: 60V	CT&WIFI Incl		5-Years
Dyne-6.0L-1P-A	Dyness 6kW Hybrid Inverter	1-Phase	LV	VOC: 600V	Battery: 60V	CT&WIFI Incl		5-Years
Dyne-8.0L-1P-A	Dyness 8kW Hybrid Inverter	1-Phase	LV	VOC: 600V	Battery: 60V	CT&WIFI Incl		5-Years
Dyne-DH200F	Dyness 100kW All-in-One System	3-Phase	HV	5 In Parallel				5-Years
Link to Website: Dyness Hybrid Inverters								





SKU	Product Description	Warranty
SOL-X1-5.0-T-D	SolaX: Inverter 5Kw X1-Boost Single Phase Grid Tie - String Inverter Dual MPPT	
SOL-X1-8.0-T-D	SolaX: Inverter 8Kw X1-Smart Single Phase Grid Tie - Dual MPPT	
SOL-X1-Hybrid-3.0-D-E	SolaX: Inverter 3Kw X1-Hybrid HV Single Phase - VOC: 360V Battery: 84-400V	
SOL-X1-Hybrid-5.0-D-E	SolaX: Inverter 5Kw X1-Hybrid HV Single Phase - VOC: 600V Battery: 85-400V	
SOL-X1-Hybrid-G4-7.5-D	SolaX: Inverter 7.5Kw X1-Hybrid G4 Single Phase - Dual MPPT (Use without Mate box)	
3-Phase Hybrid Inverters		
SOL-X3-Hybrid-6.0-D-E	SolaX: Inverter 6Kw X3-Hybrid HV Three Phase - VOC: 1000V Battery: 170-500V	
SOL-X3-Hybrid-10.0-D-E	SolaX: Inverter 10Kw X3-Hybrid HV Three Phase - VOC: 1000V Battery: 170-500V	
SOL-G4-X3-Hybrid-15.0-D	SolaX: Inverter 15Kw X3-Hybrid G4 HV Three Phase (Use without Mate box)	
3-Phase String Inverters		
SOL-X3-Pro-15.0-P-T-D	SolaX: Inverter 15Kw X3-Pro Three Phase Grid-Tie - String Inverter Dual MPPT	
SOL-X3-Max-20K-TL	SolaX: Inverter 20Kw X3-Max Three Phase Grid-Tie - String Inverter Dual MPPT	
SOL-X3-Max-30K-TL	SolaX: Inverter 30Kw X3-Max Three Phase Grid-Tie - String Inverter Dual MPPT	
SOL-X3-MGA-40K-G2	SolaX: Inverter 40Kw X3-Mega G2 Three Phase Grid-Tie - String Inverter 4 MPPT	
SOL-X3-Mega-60K-TL	SolaX: Inverter 60Kw X3-Mega Three Phase Grid-Tie - 4 MPPT	
SOL-X3-FTH-80K	SolaX: Inverter 80Kw X3-Forth Three Phase Grid-Tie - 9 MPPT	
SOL-X3-FTH-110K	SolaX: Inverter 110Kw X3-Forth Three Phase Grid-Tie - 9 MPPT	
SOL-X3-FTH-125K	SolaX: Inverter 125Kw X3-Forth Three Phase Grid-Tie - 12 MPPT	
EV Chargers		
SOL-X1-EVC7.2K	SolaX: Smart EV Charger 7.2Kw Single Phase (Works with X1 Inverters)	
SOL-X3-EVC11K	SolaX: Smart EV Charger 11Kw Three Phase (Works with X3 Inverters)	
SOL-X3-EVC22K	SolaX: Smart EV Charger 22Kw Three Phase (Works with X3 Inverters)	



SolaX Energy Storage System

COMFORT IN EVERY WATT

Extend Your Standby Time
Strengthen Your Warranty

Batteries



NO FEAR OF LOAD-SHEDDING

TOP

Home Battery Provider in South Africa



www.dyness-tech.com

SKU	Product Description	Warranty
DYN-RV12100	Dyness RV 1.28kWh LiFePO4 Battery 12.8V 100Ah	4-Years
DYN-B4850	Dyness 2.4kWh LiFePO4 Battery 48V 50Ah	5-Years
DYN-B4874-B3	Dyness 3.6kWh LiFePO4 Battery 48V 75Ah	5-Years
DYN-A48100	Dyness 4.8kWh LiFePO4 Battery 48V 100Ah (Replaces BX48100)	10-Years
DYN-BX51100	Dyness 5.12kWh LiFePO4 Battery 51.2V 100Ah	5-Years
DYN-DL5.0C	Dyness 5.12kWh LiFePO4 Battery 51.2V 100Ah	10-Years
DYN-B51200	Dyness 10.24kWh LiFePO4 Power Box 51.2V 200Ah	5-Years
HV Energy Storage		
DYN-HV51100	Dyness HV 5.12kWh LiFePO4 Battery 51.2V 100Ah	10-Years
BDU100	Dyness HV Battery Distribution Unit (BDU) Max 15 Batteries	10-Years
DYN-HVRACK	Dyness HV Battery Rack 3U 11x Batteries + 1x BDU Black	-

Link to Website: [Dyness LiFePO4 Batteries](https://www.dyness-tech.com)




High Voltage Battery Storage 10-Year Warranty

Exceptional R&D Team
The battery is your biggest investment
Dyness is compatible with multiple
inverter manufacturers





LEMOEN

SKU	Product Description	Warranty
LemoenECO256	Lemoen 2.56kWh LiFePO4 Battery ECO 25.6V 100Ah	3-Years
LemoenLIFE5	Lemoen 5.12kWh LiFePO4 Battery LIFE5 51.2V 100Ah	10-Years
LemoenECO14	Lemoen 14.23kWh LiFePO4 Battery ECO14 51.2V 280Ah	10-Years

Link to Website: [Lemoen LiFePO4 Batteries](#)



Connect with off-grid / hybrid inverter



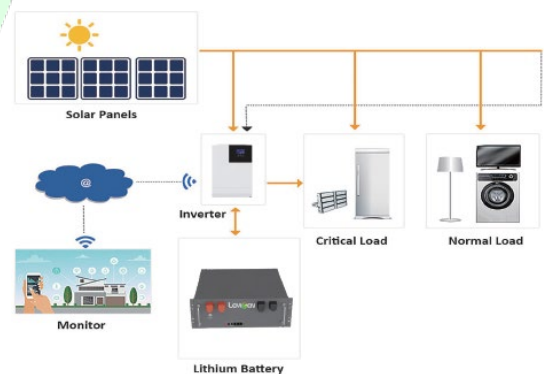
Backup Battery



LiFePO4



Tried and tested



ECO

LIFE 5

ECO 14



Deye

**One Investment
Ten Years of Worry-Free Power***

*Deye Energy Storage Battery offers up to 10 years of warranty.

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Deye Inverter
www.deyinverter.com
Market@Deye.com.cn

SKU	Product Description	Warranty
RW-M6.1	Deye 6.14kWh LiFePO4 Battery 51.2V 120Ah	10-Years
SE-G5.1-Pro	Deye 5.12kWh LiFePO4 Battery 51.2V 100Ah Floor / Wall / Rack Mount	10-Years
SE-G5.3	Deye 5.32kWh LiFePO4 Battery 51.2V 104Ah Floor / Wall / Rack Mount	10-Years
AI-W5.1	Deye 5.12kWh LiFePO4 Battery 51.2V 100Ah Floor Mount	10-Years
HV Energy Storage		
BOS-GM5.1	Deye 5.12kWh HV LiFePO4 Battery 51.2V 100Ah	10-Years
HVB750V/100A-EU	Deye HV Battery Management Unit (BMU) / Battery Cluster Control Box for BOS-G	10-Years
3U-HRACK	Deye HV Battery Rack 3U 12x HV Batteries + BMU	10-Years
3U-HRACK-DOOR	Deye HV Battery Rack with Door 3U 12x HV Batteries + BMU	10-Years
Link to Website: Deye LiFePO4 Batteries		



**Power Your Home
with Clean Energy
From Deye**

3.6-8kW Hybrid Inverter
Colorful touch LCD
Support Diesel Generator
Max. 16 pcs Parallel

5.32kWh Wall-Mounted Battery
Cycle Life ≥ 4000
Intelligent BMS
Max. 32 pcs in Parallel (170kWh)

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Deye Inverter
www.deyinverter.com
Market@Deye.com.cn

Other LiFePO4 Batteries

SKU	Product Description	Warranty
SUNWODA – Shop Now		
Atrix-5	Sunwoda 5.12kWh Lithium-Ion 51.2v 100Ah 1C Rack Mount	5-Years
Shoto – Shop Now		
SDA10-48/50	Shoto 2.4kWh Lithium-Ion Battery 48V 50Ah	5-Years
SDA10-48/100	Shoto 4.8kWh Lithium-Ion Battery 48V 100Ah	5-Years
SDA10-48100	Shoto 4.8kWh Lithium-Ion Battery 16 Cell 48V 100Ah Rack Mount	5-Years
SDC10-Box 5P	Shoto 5.12kWh Lithium-Ion Battery HP10-Box5 16 Cell 48V 100Ah Wall Mount	5-Years
HP10-Box5-PRO	Shoto Pro 5.12kWh Lithium-Ion Battery HP10-Box5 51.2kWh 100Ah	5-Years
VOLTA – Shop Now		
Volta-Stage-1	Stage 1 Volta 5.12kWh Lithium-Ion Battery 51.2 100Ah Wall / Floor Mount	10-Years
VoltaPRO-Stage-1	Stage 1 Pro Volta 5.32kWh Lithium-Ion Battery 51.2V 104Ah Wall / Floor Mount	10-Years
Volta-Stage-2	Stage 2 Volta 7.5kWh Lithium-Ion Battery 51.2V 150Ah Wall / Floor Mount	10-Years
Volta-Stage-3	Stage 3 Volta 10.3kWh Lithium-Ion Battery 51.2V 202Ah Wall / Floor Mount	10-Years
Volta-Stage-4	Stage 4 Volta 14.34kWh Lithium-Ion Battery 51.2V 280Ah Wall / Floor Mount	10-Years
HinaESS – Shop Now		
HinaESS-Hi5	Hi-5 HinaESS 5.12kWh Lithium-Ion Battery 51.2V 100Ah	10-Years
HinaESS-PG	Power Gem HinaESS 5.12kWh Lithium-Ion Battery 51.2V 100Ah Wall / Floor Mount	10-Years

Deep Cycle Batteries

SKU	Product Description	Warranty
LCPC / Olitter – Shop Now		
LCPC100-12	LCPC 100Ah 12V Deep Cycle Gel Battery	-
LCPC200-12	LCPC 200Ah 12V Deep Cycle Gel Battery	-



Dyness

Dyness RV12100 is tailor-made for outdoor travel. It adapts the most advanced LiFePO4 technology and built-in smart BMS, ensuring superior performance and long cycle life. Up to 16 modules in parallel, it offers you sufficient energy options to meet different requirements.

Compact Design
Light weight & small design

High Safety
LFP & smart BMS

Wide Application
Applied in all kinds of RVs

Wide Temperature Range
Range of -25 - 55°C

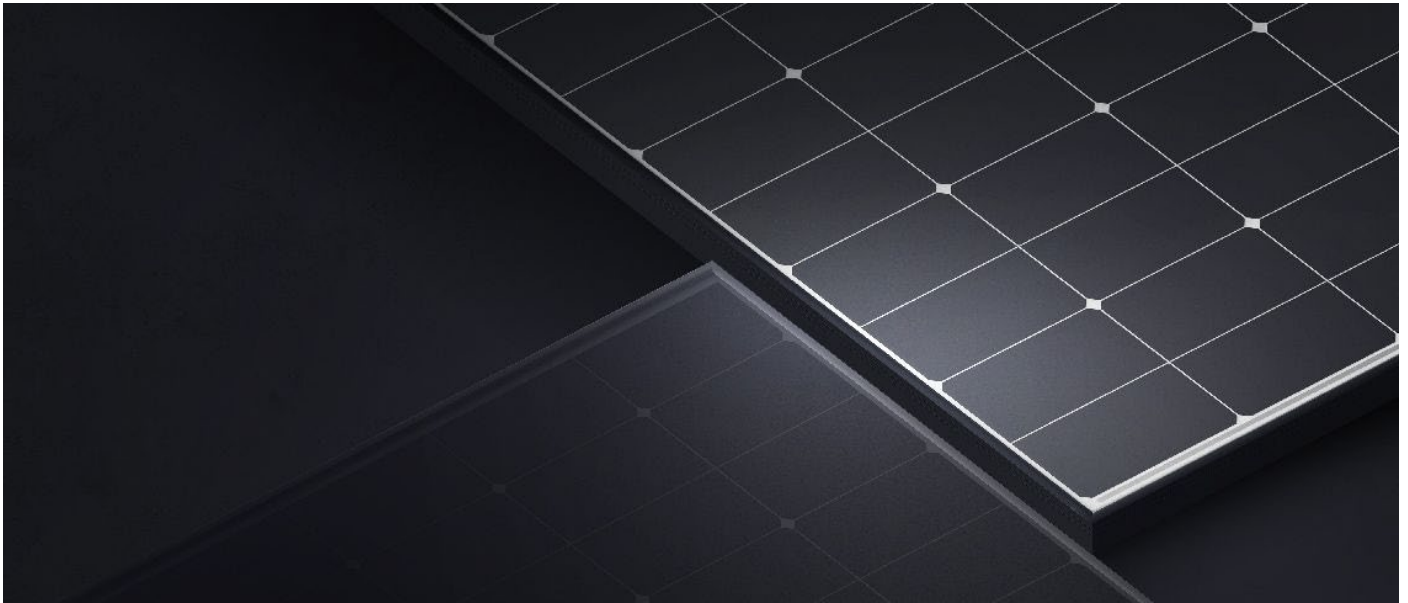
RV12100

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Solar Panels



SKU	Product Description	Warranty
Akcome – Shop Now		
Chaser-M6/144P455HJT	Akcome 455W Hi-Chaser HJT Mono Bifacial VOC: 53.05V ISC: 10.90A	25/30-Years
Chaser-M6/144P460	Akcome 460W Hi-Chaser HJT Mono Bifacial VOC: 53.35V ISC: 10.94A	25/30-Years
SK9612MDGDC	Akcome 550W i-Chaser HC DG Mono Bifacial VOC: 49.80V ISC: 13.91A	12/30-Years
SKA611MDGDC	Akcome 655W i-Chaser HC DG Mono Bifacial VOC: 45.70V ISC: 18.38A	12/30-Years
SKA611MDGDC-660	Akcome 660W i-Chaser HC DG Mono Bifacial VOC: 45.90V ISC: 18.43A	12/30-Years
SKA611HDGDC-685	Akcome 685W i-Power HJT HC DG Mono Bifacial VOC: 49.71V ISC: 17.15A	12/30-Years
Astronergy – Shop Now		
CHSM72M-HC-550	Astronergy 550W Astro 5 HC Mono-Crystalline	12/25-Years
JA Solar – Shop Now		
JAM60S20-380/MR	JA Solar 380W Half Cell Mono-Crystalline	12/25-Years
JAM72S10-410/MR	JA Solar 410W Half Cell Mono-Crystalline	12/25-Years
JAM72S10-415/MR	JA Solar 415W Half Cell Mono-Crystalline	12/25-Years
JAM72S20-450/MR	JA Solar 450W Half Cell Mono-Crystalline	12/25-Years
JAM72S20-455/MR	JA Solar 455W Half Cell Mono-Crystalline	12/25-Years
JAM72S20-460/MR	JA Solar 460W Half Cell Mono-Crystalline	12/25-Years
JAM72S20-465/MR	JA Solar 465W MBB HC Mono-Crystalline VOC: 50.15V ISC: 11.49A	12/25-Years
JAM72S30-540/MR	JA Solar 540W Half-Cell Mono-Crystalline	12/25-Years
JAM72S30-545/MR	JA Solar 545W Half-Cell Mono-Crystalline	12/25-Years
JAM72S30-550/MR	JA Solar 550W Half-Cell Mono-Crystalline 30mm Frame	12/25-Years
JAM72S30-555/MR	JA Solar 555W Deep Blue Mono-Crystalline VOC: 50.02V ISC: 14.07A	12/25-Years
Jinko – Shop Now		
JKM380N-6TL3-V	Jinko 380W Half-Cell Mono-Crystalline	15/30-Years
JKM395M-54HL4-V	Jinko 395W Tiger Pro 54HC Mono-Crystalline VOC: 36.90V ISC: 13.71A	15/25-Years
JKM405M-54HL4-V	Jinko 405W Tiger Pro 54HC Mono-Crystalline VOC: 37.06V ISC: 13.85A	15/25-Years
JKM410M-54HL4-V	Jinko 410W Half-Cell Mono-Crystalline	15/25-Years
JKM415M-54HL4-V	Jinko 415W Tiger Pro 54HC Mono-Crystalline VOC: 37.31V ISC: 14.01A	15/25-Years
JKM470M-7RL3-V	Jinko 470W Half-Cell Mono-Crystalline	12/25-Years
JKM475M-7RL3-V	Jinko 475W Half Cell Mono-Crystalline	12/25-Years
JKM545M-72HL4-V	Jinko 545W Half Cell Mono-Crystalline	12/25-Years
JKM550M-72HL4-V	Jinko 550W Half Cell Mono-Crystalline	12/25-Years
JKM555M-72HL4-V	Jinko 555W Half Cell Mono-Crystalline	12/25-Years
JKM565N-72HL4-V	Jinko 565W Half Cell Mono-Crystalline	12/30-Years
JKM575N-72HL4-V	Jinko 575W Tiger Neo N-Type Mono-Crystalline VOC: 50.88V ISC: 14.39A	12/30-Years



SKU	Product Description	Warranty
Longi – Shop Now		
LR4-60HPH-355M	Longi 355W Half-Cell Mono-Crystalline	12/25-Years
LR4-72HPH	Longi 450W Half-Cell Mono-Crystalline	12/25-Years
LR4-72HPH-1	Longi 455W Half-Cell Mono-Crystalline	12/25-Years
LR5-72HPH-540M	Longi 540W Half-Cell Mono-Crystalline	12/25-Years
LR5-72HBD-540M	Longi 540W Hi-MO 5 Mono-Crystalline Bifacial VOC: 49.50V ISC: 13.85A	12/30-Years
LR5-72HPH-545M	Longi 545W Half-Cell Mono-Crystalline	12/25-Years
LR5-72HPH-550M	Longi 550W Hi-MO 5m Half-Cell Mono-Crystalline VOC: 49.80V ISC: 13.98A	12/25-Years
NT Solar – Shop Now		
NT370-120M6	NT Solar 370W M6 Mono-Crystalline VOC: 41.1V ISC: 11.26A	12/25-Years
NT550-144M10	NT Solar 550W M10 Mono-Crystalline VOC: 49.9V ISC: 13.80A	12/25-Years
Trina Solar – Shop Now		
TSM-420NEG9R.28	Trina 420W Vertex S+ DG Mono-Crystalline VOC: 50.5V ISC: 10.53A Black Frame	25/30-Years
TSM-DE19-545	Trina 545W Vertex Mono-Crystalline VOC: 37.70V ISC: 18.47A	12/25-Years
TSM-DE19	Trina 555W Half-Cell Mono-Crystalline	12/25-Years
TSM-575DE19R	Trina 575W Half-Cell Mono-Crystalline	12/25-Years
ZN Shine – Shop Now		
ZXM6-NH120-370/M	ZN Shine 370W Half-Cell Mono-Crystalline	12/30-Years
XM6-NHLDD120-375/Mbi	ZN Shine 375W Half-Cell Mono-Crystalline Double Glass Bifacial	12/30-Years
ZXM7-SHLDD108-410	ZN Shine 410W Half-Cell Mono-Crystalline Double Glass Bifacial	12/30-Years
ZXM6-NHLDD144-450W	ZN Shine 450W Half-Cell Mono-Crystalline Double Glass Bifacial	12/30-Years
ZXM7-SPLD144-530/M	ZN Shine 530W Half-Cell Mono-Crystalline Double Glass	12/30-Years



SKU	Product Description	Warranty
Other OEM – Shop Now		
CNBM6M-30	30W Mono-Crystalline	10/25-Years
CNBMP-55	55W Mono-Crystalline	10/25-Years
CNBM6P-80	80W Poly-Crystalline	10/25-Years
CNBM6P-100	100W Poly-Crystalline	10/25-Years
CNBM6M-120	120W Mono-Crystalline	10/25-Years
CNBM6P-160	160W Poly-Crystalline	10/25-Years
CNBM6P-275	275W Poly-Crystalline	10/25-Years
CNBM6P-325	325W High Voltage Poly-Crystalline	10/25-Years
CNBM6P-330	330W Poly-Crystalline	10/25-Years
CNBM-340W-Poly	340W Poly-Crystalline	10/25-Years
CNBMM-400	400W Mono-Crystalline	10/25-Years
CNBM-SP450W	450W Mono-Crystalline	10/25-Years



Portable Power Station



Solar Europe (Pty) LTD

541 Lavender Road
Onderstepoort, 0110

info@solar-europe.co.za
+27 87 654 4800

LEMOEN PORTABLE POWER

- Pure sine wave output
- 3000 Cycles lifePO4 Battery
- 1-Year Product Warranty
- MPPT Charge Controller
- Overcharge Protection
- Convenient & Practical
- Safe & Reliable

Rated Power	2300W
Battery Capacity	100Ah
Voltage	24VDC
Solar Input	
Max PV Power	1400W
VOC	30-100VDC
MPPT Range	30-80VDC
Recommended Charge Current	50A

Portable Power

**2300W AC Output
LiFePO4 Battery**

— with —

**1400W PV Input
MPPT Charge
Controller**



AC Mode

- Rated Input Voltage: 230VAC
- Input Voltage Range: 90VAC – 280VAC
- Frequency: 50Hz / 60Hz (Auto Detection)
- Overload / Short Circuit Protection: Circuit Breaker
- Efficiency: >95%
- Conversion Time: 10ms
- Maximum Bypass Overload Current: 30A

Inverter Mode

- Output Voltage Waveform: Pure Sine Wave
- Rated Output Power: 2300W
- Power Factor: 1
- Rated Output Voltage: 230VAC
- Output Frequency: 50Hz / 60Hz
- Efficiency: >92%
- Loaded Motor Capability: 2HP
- Output Short Circuit Protection: Circuit Breaker
- Bypass Breaker: 30A
- Rated Battery Input Voltage: 24VAC
- Battery Voltage Range: 20VDC – 33VDC

AC Charging

- Battery Type: LiFePO4
- Max Charging Current: 80A
- Charging Voltage Range: 20VDC – 33VDC
- Short Circuit Protection: Circuit Breaker & Blown Fuse
- Circuit Breaker: 30A

PV Charging

- Maximum PV Open Circuit Voltage: 100VDC
- PV Operating Voltage Range: 30VDC – 100VDC
- MPPT Voltage Range: 30VDC – 85VDC
- Maximum Input PV Power: 1400W
- PV Charging Current Range: 0A – 60A (Adjustable)
- Charging Short Circuit Protection: Blown Fuse
- Wiring Protection: Reverse Polarity Protection

Environment Limit

- Ingress Protection: IP20
- Operating Temperature: -15°C – 55°C
- Humidity Range: 5% - 95%
- Cooling: Forced Air Cooling, Variable Speed Fan (<60dB)
- Communication: USB / RS485 (WIFI/GPRS)

Cable

Zimmer



SOLAR SAFETY CABLE

IEC 62930

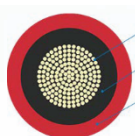
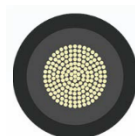
SKU	Product Description	Warranty
Zimmer – Shop Now		
ZIMSSC6-	Zimmer Solar Safety Cable 6mm Negative (-) / Black Per Meter	10-Years
ZIMSSC6+	Zimmer Solar Safety Cable 6mm Positive (+) / Red Per Meter	10-Years
ZIMSSC10-	Zimmer Solar Safety Cable 10mm Negative (-) / Black Per Meter	10-Years
ZIMSSC10+	Zimmer Solar Safety Cable 10mm Positive (+) / Red Per Meter	10-Years

Cable Design

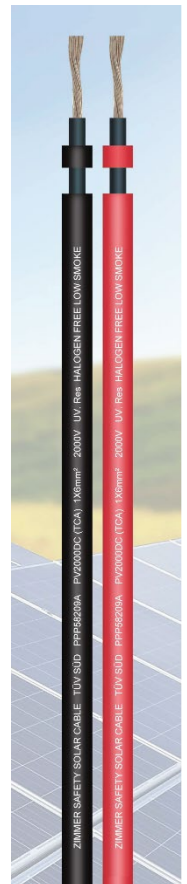
- Conductor: Tinned Copper Alloy (TCA)
- Insulation: 125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
- Sheath: 125°C Low-Smoke Halogen-Free Flame Retardant Polyolefins
- Special Tech: Electron Beam Radiation Cross-Linking

Electrical Characteristics

- Rated Voltage U0/U: DC 2000V
- Temperature Range: -40°C – 90°C
- Max Temp at Conductor: 120°C
- Min Bending Radius: 6x Cable Diameter
- Industry Standards: PPP58209A
- Tensile Strength: EN 60811-1-2
- Halogen Free: 50525-1 Annex B
- Ozone Resistance: EN 50396
- UV Resistance: EN 50289-4-17
- Cold Impact Test: EN 60068-2-78



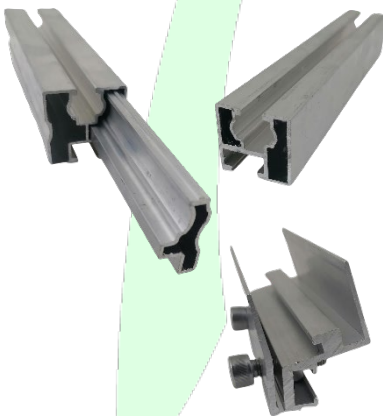
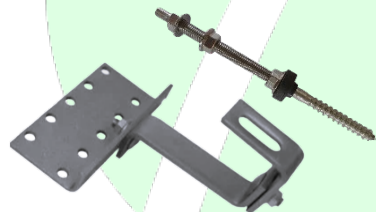
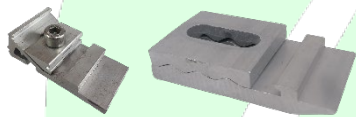
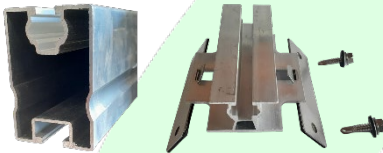
- Conductor: TCA, tin plated
- Insulation: 125°C XLPO, Cross-Linked
- Sheath: 125°C XLPO, Cross-Linked



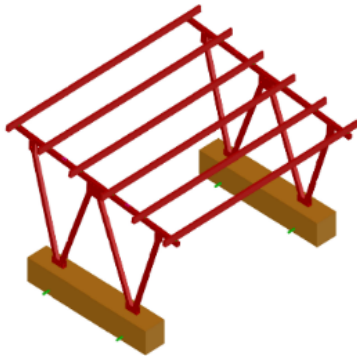
SKU	Product Description	Warranty
Other OEM – Shop Now		
Solar Cable		
SC10-	Solar Cable: 10mm ² (-) Negative (Black) (PER METER)	-
SC10+	Solar Cable: 10mm ² (+) Positive (Red) (PER METER)	-
Battery Cable		
BC16-	Battery Cable: 16mm ² (-) Negative (Black) (PER METER)	-
BC16+	Battery Cable: 16mm ² (+) Positive (Red) (PER METER)	-
BC25-	Battery Cable: 25mm ² (-) Negative (Black) (PER METER)	-
BC25+	Battery Cable: 25mm ² (+) Positive (Red) (PER METER)	-
BC35-	Battery Cable: 35mm ² (-) Negative (Black) (PER METER)	-
BC35+	Battery Cable: 35mm ² (+) Positive (Red) (PER METER)	-
BC50-	Battery Cable: 50mm ² (-) Negative (Black) (PER METER)	-
BC50+	Battery Cable: 50mm ² (+) Positive (Red) (PER METER)	-
BC70-	Battery Cable: 70mm ² (-) Negative (Black) (PER METER)	-
BC70+	Battery Cable: 70mm ² (+) Positive (Red) (PER METER)	-
Earth Cable		
EW6BARE	Earth Wire: 6mm ² (Bare Copper) (PER METER)	-
EW6-100m	STW Earth Wire: 6mm ² (Insulated) (100m)	-
EW10-100m	STW Earth Wire: 10mm ² (Insulated) (100m)	-
EW16	Earth Wire: 16mm ² (Bare Copper) (PER METER)	-
EW16INS	Earth Wire: 16mm ² (Insulated) (PER METER)	-
EW25BARE	Earth Wire: 25mm ² (Bare Copper) (PER METER)	-
Surfix Cable (Copper)		
SC2-1	Surfix Cable 1mm ² 2 Core + Earth	-
SC014	Surfix Cable 1.5mm ² 2 Core + Earth (Flat)	-
SC1.5	Surfix Cable 1.5mm ² 3 Core + Earth	-
SC2-2.5	Surfix Cable 2.5mm ² 2 Core + Earth (PER METER)	-
SC2-4	Surfix Cable 4mm ² 2 Core + Earth	-
SC3-4	Surfix Cable 4mm ² 3 Core + Earth	-
SC4-4	Surfix Cable 4mm ² 4 Core + Earth (PER METER)	-
SC4-4-20m	Surfix Cable 4mm ² 4 Core + Earth (20m)	-
SC4-4-50m	Surfix Cable 4mm ² 4 Core + Earth (50m)	-
SC2-6	Surfix Cable 6mm ² 2 Core + Earth (Round)	-
SC2-6-F	Surfix Cable 6mm ² 2 Core + Earth (Flat)	-
SC3-6	Surfix Cable 6mm ² 3 Core + Earth	-
SC4-6	Surfix Cable Round 6mm ² 4 Core + Earth (PER METER)	-
SC4-6-20m	Surfix Cable Round 6mm ² 4 Core + Earth (20m)	-
SC4-6-50m	Surfix Cable Round 6mm ² 4 Core + Earth (50m)	-
SCF2-10	Surfix Cable Flat 10mm ² 2 Core + Earth	-



Mounting Structure

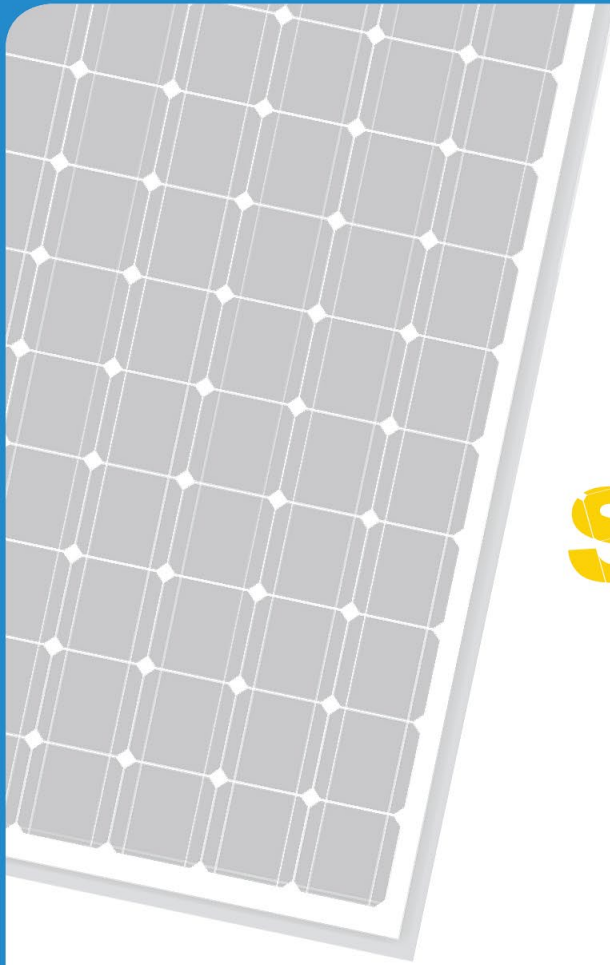


SKU	Product Description
INGE Clamps	
CP001	Inge: Middle Clamp 30-40mm
CP002	Inge: End Clamp 30-40mm
CP003	Inge: Seamless Roof Clamp
SLT-112012-006	Inge: Seam Clamp 550 for Brown Build
INGE IBR & Corrugated Brackets	
Inge-RMB001	Inge: IBR Roof Mount Bracket Kit Low Profile 90mmL (2 x Flaps, 2 x Flap Rubbers, 4 x Self Tappers)
Inge-RMB002	Inge: IBR Roof Mount Bracket Kit High Profile 100mmL (2 x Flaps, 2 x Flap Rubbers, 4 x Self Tappers)
IBR2R	Inge: IBR Stainless Steel Flaps with EPDM Rubber
IB003	Inge: IBR-XH Short Rail Bracket Kit 300mmL (2 x Flaps, 2 x Flap Rubbers & 4 x Self Tappers)
INGE Click-Top	
Inge-CTCC	Inge: Click-Top Cross Connector
KT002	Inge: Click-Top Attachment
KT003	Inge: Eco Attachment (Fits M10 Hanger Bolt & IBR Bracket)
INGE Hanger Bolts & Roof Hooks	
HB10X200	Inge: Hanger Bolt Kit M10 x 200mmL for Wood Purlin
HB12X300	Inge: Hanger Bolt Kit M12 x 300mmL for Wood Purlin
FS-HBS-M8X155	Inge: Hanger Bolt Kit M8 x 155mmL for Wood Purlin
HB005	Inge: Hanger Bolt Kit M10 x 200mmL for Steel Purlin
RH001	Inge: Universal Roof Hook (1 x Galvanized M10x25mm Hex Bolt, 1 x Galvanized M10 Hex Nut)
INGE Rails	
SR-X4.2	Inge: X-Rail 4.2m (40mm x 40mm)
SR-X5.5	Inge: X-Rail 5.5m (40mm x 40mm)
SR-X5.9	Inge: X-Rail 5.9m (40mm x 40mm)
SR-X6.2	Inge: X-Rail 6.2m (40mm x 40mm)
SR-XH5.5	Inge: XH-Rail 5.5m (40mm x 60mm)
SR003	Inge: X-Rail Short Section (300mmL x 40mmW x 40mmH)
SR007	Inge: X-Rail Internal Connector (Joiner)
SR-Y4.7	Inge: Y-Rail 4.7m (30mm x 30mm)
SR-Y5.5	Inge: Y-Rail 5.5m (30mm x 30mm)
SR-Y5.9	Inge: Y-Rail 5.9m (30mm x 30mm)
SR-Y5.8S	Inge: Side Y-Rail 5.8m (40mm x 30mm)
SR008	Inge: Y-Rail External Connector



SKU	Product Description
INGE Flat Roof Angle Frame & Accessories	
Inge-AFM8	Inge: Angle Frame 1.5m (M8) - NON BALUSTER MODEL (1 x Upright Pillar, 1 x 30° Beam, 1 x Roof Beam, 2 x M8 Square Nuts, 2 x M8X20 Allen Cap Bolts, 2 x M10X25 Bolts, 2 x M10 Nuts)
Inge-BAFM12	Inge: Baluster Angle Frame 1.5m (M12) - HANGER BOLT / BALUSTER MODEL (1 x Upright Pillar, 1 x 30° Beam, 1 x Roof Beam, 4 x M12 Nuts, 2 x M10X25 Bolts, 2 x M10 Nuts)
Inge-BAFM12-1.8	Inge: Baluster Angle Frame 1.8m (M12) - HANGER BOLT / BALUSTER MODEL (1 x Upright Pillar, 1 x 30° Beam, 1 x Roof Beam, 4 x M12 Nuts, 2 x M10X25 Bolts, 2 x M10 Nuts)
Inge-AFB	Inge: Angle Frame Baluster with 2 x M12 Nuts (750mmL x 35Kg)
INGE Carport Structure	
Carport1	Inge: Carport 1 Kit (4 x Galvanized Legs, 1 x Aluminium Square Beam, 6 x Aluminium Cross-Beams, Clips & Bolts)
Carport2	Inge: Carport 2 Kit (4 x Galvanized Legs, 1 x Aluminium Square Beam, Bolts & Nuts)
Carport3	Inge: Carport Structure Plinth (Concrete)
Carport4	Inge: Carport Main Beam 5.2mL
Carport5	Inge: Carport Cross Beam 6mL
INGE Ground Mount Structure	
GM001	Inge: Ground Mount Panel Structure (1.7mL) 26 x M12 Nuts & Bolts, 4 x Flat Bar Structure, 4 x M10 Nuts & Bolts, 2 x Base Plates, 2 x 125x65x20mm Lip Channel
GM002	Inge: Ground Mount Panel Structure (5.6mL) Main Post Section (Upright + Cross Beams) Includes Engineer Certificate
GM003	Inge: Ground Mount Panel Structure (5.6mL) End Post Section (Upright)





INGE

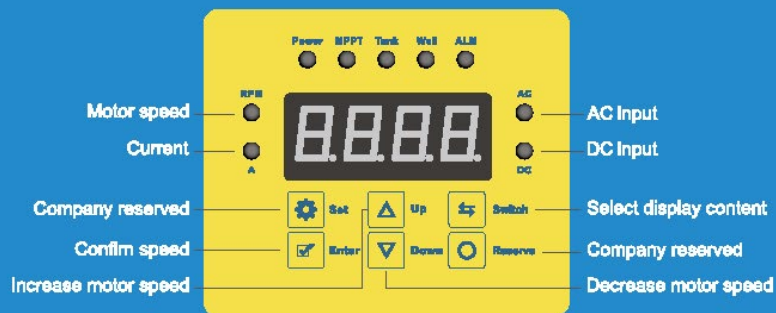
SOLAR PUMP



SKU	Product Description	Warranty
Solar Swimming Pool Pumps		
LSP10/10-24/370	Inge: Swimming Pool DC Brushless Solar Pump 24VDC 370W	1-Years
LSP14/13-72/600	Inge: Swimming Pool DC Brushless Solar Pump 72VDC 600W	1-Years
LSP16/14-96/750	Inge: Swimming Pool DC Brushless Solar Pump 96VDC 750W	1-Years
LSP22/13-144/1100	Inge: Swimming Pool DC Brushless Solar Pump 144VDC 1100W	1-Years
LSP25/14-192/1500	Inge: Swimming Pool DC Brushless Solar Pump 192VDC 1500W	1-Years
AC & DC Hybrid Solar Borehole Pumps		
ACDC-CON-600W	Inge: ACDC Solar Pump Controller 600W	2-Years
ACDC-CON-750W	Inge: ACDC Solar Pump Controller 750W	2-Years
ACDC-CON-900W	Inge: ACDC Solar Pump Controller 900W	2-Years
ACDC-CON-1100W	Inge: ACDC Solar Pump Controller 1100W	2-Years
ACDC-CON-1500W	Inge: ACDC Solar Pump Controller 1500W	2-Years
ACDC-CON-2200W	Inge: ACDC Solar Pump Controller 2200W	2-Years

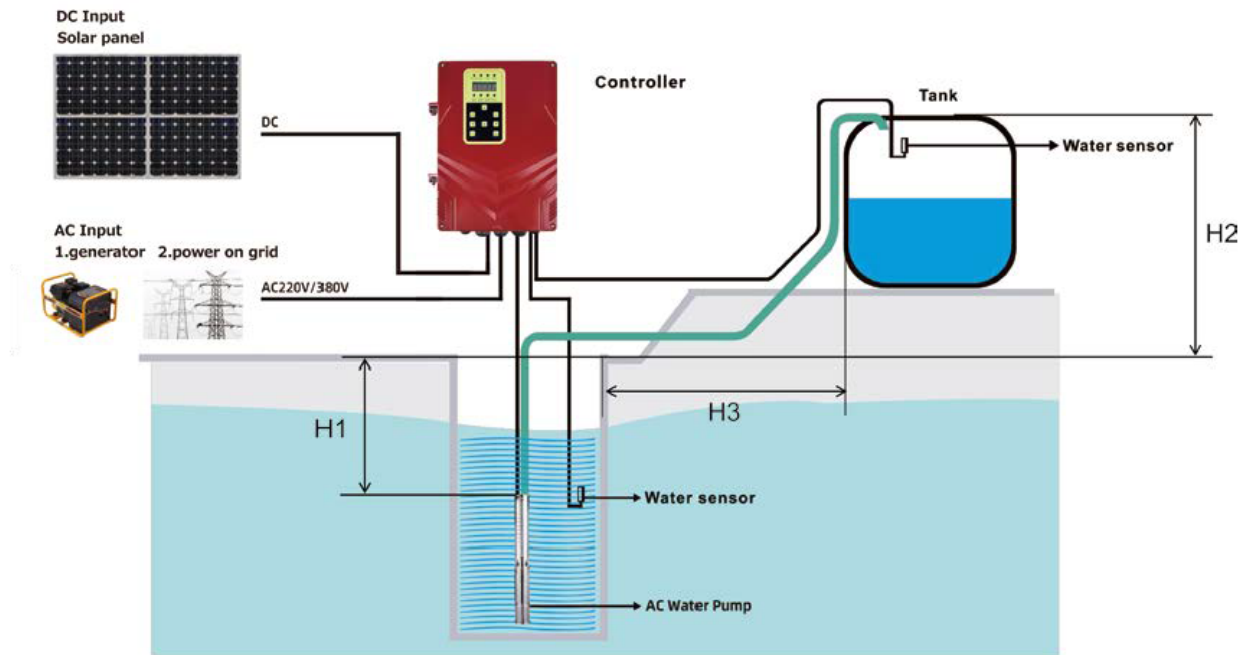
2. AC/DC SOLAR PUMP

- ☆ Support single phase 220V AC 50/60Hz (90-240Vac) electricity/generator input and solar DC power input, can realize AC or DC input switching by operating the red knob on the controller.
- ☆ Permanent magnet DC brushless motor, efficiency improved by 20~30%.
- ☆ Longer service life than normal electrical AC pump motor.
- ☆ High efficiency intelligent MPPT controller makes pump start and stop working automatically.
- ☆ Overload protection, over current protection, underload protection, under voltage protection, reverse connect protection, thermal protection, well shortage water protection, soft start.
- ☆ Controller LED screen displays voltage, current, power, speed RPM, adjusting speed, error code.
- ☆ Controller waterproofing grade IP54.
- ☆ Ambient temperature: -15~70 ° C.



Separate aluminum heat sink for better cooling of controller

AC Solar Pump Inverter



Brief Introduction Of AC Solar Pump Inverter System

System features

1. Drive any type of single-phase and three-phase AC motor.
2. Adopt advanced IGBT power module.
3. High conversion efficiency, low temperature rise, low noise, long lifespan.
4. Advanced MPPT technology, efficiency >99%.
5. Waterproof grade IP65
6. Good sealing, dust proof, insect proof, anti-corrosion to protect the inside PCB and its electronic components well.
7. Easy to operate and maintain with LCD display.
8. Small size, easy to transport and install, saving costs.
9. Interface: RS485/GPRS.
10. Wireless remote control by computer or mobile phone

System applications



rivers, lakes, etc., surface water purification



Fish and shrimp farming



Parks, wetlands, lakes, etc., landscape water treatment

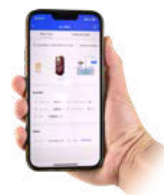


Other related water treatment uses

Wireless remote control accessories



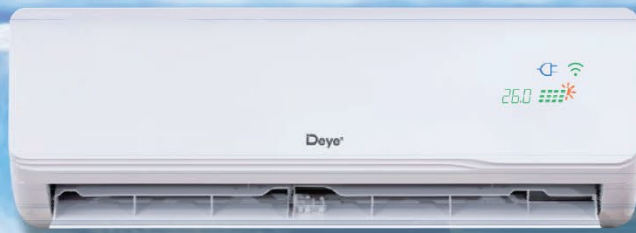
GPRS module / Smart remote controller



Mobile phone APP

Deye

Solar Air Conditioner ACDC HYBRID



100% Eco

Up to 100% Saving
in day time



Grid AC Power Limiter

Limit AC power from
0-300W



Savings

No Inverter, battery, or
Charger controller needed



Wide Operating Temperature

Temperature Range between
-10 °C to +58 °C



Max Efficiency

DC-driven



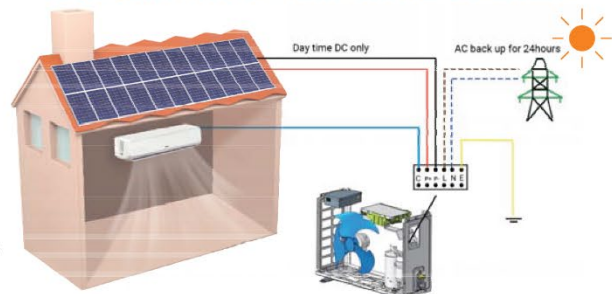
Auto Balance

AC/DC auto balance



- ✓ A purpose built DC Hybrid solar air conditioner built from the ground up 100% DC - No electronic inverter.
- ✓ They can operate independent of the AC Grid (Off Grid) turning itself on when there is sufficient solar power and back off when there is no longer enough power from the sun.
- ✓ No solar grid connection for installation, no utility company authority required.
- ✓ Plug and play installation – solar panels connect directly to MC4 solar terminals.
- ✓ STC's are claimable on solar panels installed on a unit – essentially covering the cost of the panels.
- ✓ Uses eco-friendly R410 a refrigerant gas – non-flammable! Compared with widely used flammable R32 gas.
- ✓ Brushless DC motors in both indoor and outdoor units ensures extremely quiet operating levels.
- ✓ Can be set to limit the AC power input if power consumption is a concern due to maximum power demand or simply to minimize the power consumption for economic savings.
- ✓ Using solar power for one of our highest energy consuming appliances. Just common sense!

Deye Hybrid AC/DC Inverter Solar Air Conditioner



Deye

Solar Air Conditioner ACDC HYBRID



Application

Deye hybrid ACDC solar air conditioners require no batteries, and only a few PV panels to deliver huge savings. During the day, when air conditioning is needed the most, you can operate this unit partly or up to 100% by its independent solar panels to achieve maximum efficiency. At night, you can continue to save due to its high efficiency.

The WIFI functionality allows full control, daily and weekly timers, complete visibility with AC and DC consumption and the history of all power consumption.

Your Benefits

- Efficient brushless DC permanent magnet variable frequency twin rotary compressors.
- Can run directly on 100% solar power during the daytime.
- AC Limiter will limit the AC consumption to 100w when DC power is available and slightly more when there is no DC.
- Wide ambient operating temperature range: -10°C to +58°C.
- Anti-Corrosion Technology giving greater corrosion resistance for both outdoor and indoor units.
- Eco-Friendly R410a Refrigerant.
- Mc4 Solar connector terminals - Easy plug and play connection and maintenance.
- Low energy consumption.
- Quiet Indoor Unit (As low as 26dB).

Technical Specifications

Hybrid AC/DC WIFI			
Model	3.5kw	5.0kw	7.0kw
Solar Input Voltage (V dc)	80~380	80~380	80~380
Capacity Cooling (kw)	3.51(0.90-3.81)	5.01(1.30-5.57)	6.44(1.80-7.30)
Capacity Heating (kw)	3.60(0.90-3.96)	5.27(1.50-5.71)	7.00(1.80-7.60)
Power Input Cooling(W)	910(200-1200)	1350(250-1720)	1790(410-2500)
Power Input Heating(W)	940(180-1250)	1300(250-1540)	1900(340-2100)
AEER Without Solar	3.77	3.64	3.55
ACOP Without Solar	3.74	3.98	3.63
Min DC required DC operation	200	250	300
Max AC when on AC Limiting	300	400	600
Net Weight Indoor/Outdoor(Kg)	9.0/33.5	15/37	15/48.5
Net Size Indoor(mm)	845*205*295	1085*330*239	1085*330*239
Net Size Outdoor(mm)	802*564*323	802*564*323	700*900*337
Advised Solar Panel	(3-4)*330W in series	(3-6)*330W in series	(3-8)*330W in series

System Components

DC Powered Indoor unit

Our DC Air Conditioners use direct DC solar power so there is no loss associated with converting DC power into AC power like standard air conditioners.



ACDC Hybrid Outdoor unit

During the day they run solely or primarily on solar power and only use small amounts of power from the utility company as needed. When it comes to night time, they will automatically mix power and eventually switch to 240V AC power.



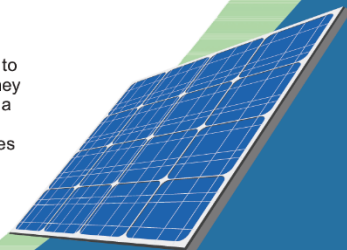
DC Brushless fan motor

DC brushless fan motors are used for both indoor and outdoor units. Energy consumption is greatly reduced and run with very low noise. The use of a brushless permanent magnet motor driver provides a variable frequency drive that allows the system to dynamically adjust its capacity based on conditions.



Solar Panels

Any solar panels can be connected to our Hybrid solar air conditioners. They are simply connected in series with a maximum of 380VOC. Today's improved solar technology provides stable, efficient and reliable power without any maintenance required.



INGE AC Switch Gear

G2020MT Type 2 Surge Protective Devices

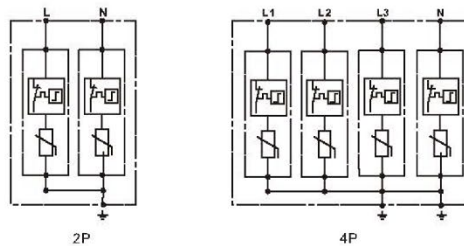
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Temperature compensation

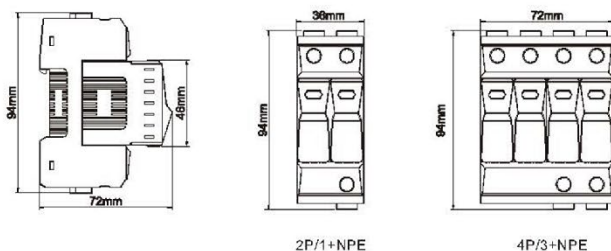


Basic circuit diagram



Type	G2020MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μ s) (In)	10kA						
Max. discharge current (8/20 μ s) (Imax)	20kA						
Pole	2P/4P						
Voltage protection level (Up)	≤ 0.8 kV	≤ 1.0 kV	≤ 1.2 kV	≤ 1.45 kV	≤ 1.6 kV	≤ 2.5 kV	≤ 1.5 kV
Response time (t _A)	25ns						100ns
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						

Dimension drawing

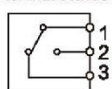


Standard wiring

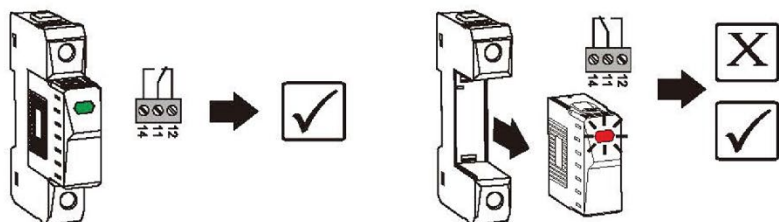
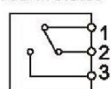


Remote signal terminal

Normal status



Alarm status



G2040MT Type 2 Surge Protective Devices

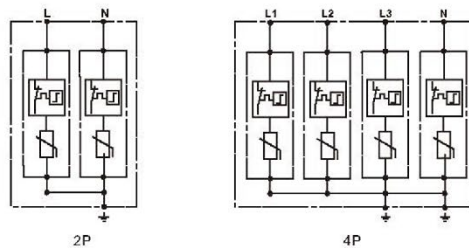
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Temperature compensation

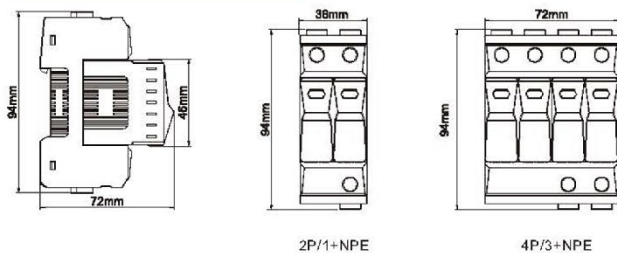


Basic circuit diagram



Type	G2040MT						
SPD according to EN 61643-11 / IEC 61643-11	Type 2/Class II /T2						
Max. continuous operating voltage (a.c.) (Uc)	150V	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μ s) (In)	20kA						
Max. discharge current (8/20 μ s) (Imax)	40kA						
Pole	2P/4P						
Voltage protection level (Up)	$\leq 1.0kV$	$\leq 1.3kV$	$\leq 1.4kV$	$\leq 1.6kV$	$\leq 2.2kV$	$\leq 2.5kV$	$\leq 1.5kV$
Response time (t _a)	25ns						100ns
Operating temperature range (T _u)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						

Dimension drawing

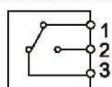


Standard wiring

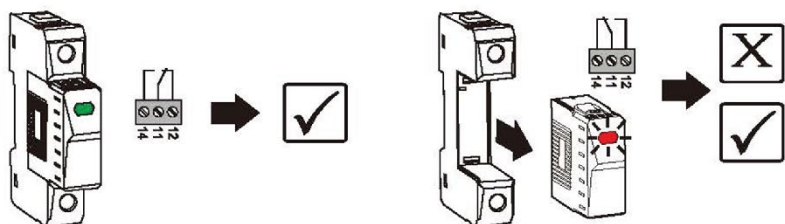
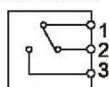


Remote signal terminal

Normal status



Alarm status



G20-B+C Type 1+2 Surge Protective Devices

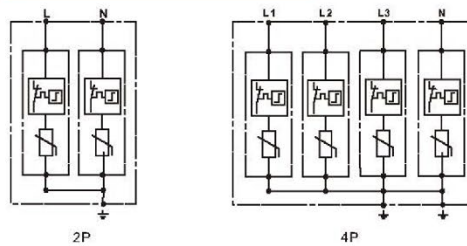
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Temperature compensation

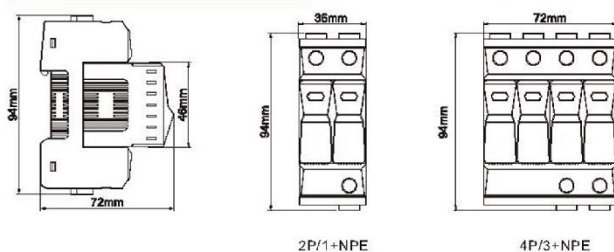


Basic circuit diagram



Type	G20-B+C/7					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II/T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μ s) (In)	30kA					
Max. discharge current (8/20 μ s) (Imax)	50kA					
Lightning impulse current (10/350 μ s) (Iimp)	7kA					
Pole	2P/4P					
Voltage protection level (Up)	≤ 1.4 kV	≤ 1.6 kV	≤ 1.8 kV	≤ 2.0 kV	≤ 2.5 kV	≤ 1.5 kV
Response time (t _A)	25ns					100ns
Operating temperature range (Tu)	40 °C ... +80 °C					
Operating state / fault indication	Green:normal Red:invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					

Dimension drawing

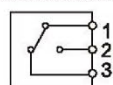


Standard wiring

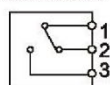


Remote signal terminal

Normal status



Alarm status



G30-B+C Type 1+2 Surge Protective Devices

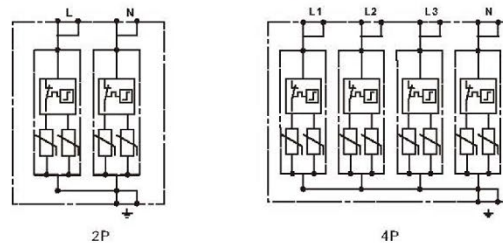
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Temperature compensation

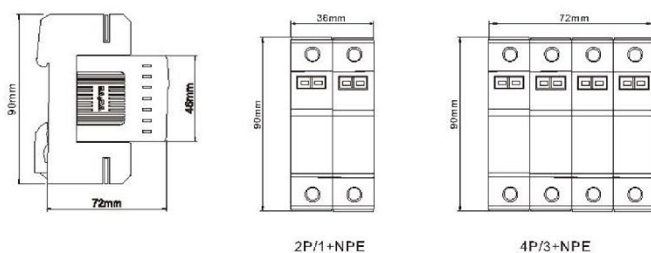


Basic circuit diagram



Type	G30-B+C/12.5					
SPD according to EN 61643-11 / IEC 61643-11	Type 1+2/Class I + II/T1+T2					
Max. continuous operating voltage (a.c.) (Uc)	280V	320V	385V	440V	600V	NPE:255V
Nominal discharge current (8/20 μs) (In)	30kA					
Max. discharge current (8/20 μs) (Imax)	60kA					
Lightning impulse current (10/350 μs) (Iimp)	12.5kA					
Pole	2P/4P					
Voltage protection level (Up)	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV	≤2.5kV	≤1.5kV
Response time (t _A)	25ns					100ns
Operating temperature range (T _u)	40 °C ... +80 °C					
Operating state / fault indication	Green:normal Red:invalid					
Number of ports	1					
For mounting on	35 mm DIN rails acc. to EN 60715					
Place of installation	indoor installation					
Degree of protection	IP20					

Dimension drawing

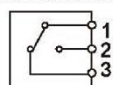


Standard wiring

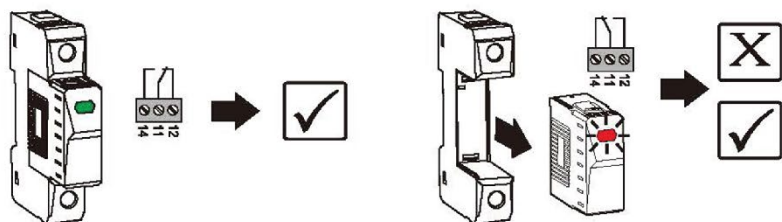
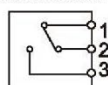


Remote signal terminal

Normal status



Alarm status



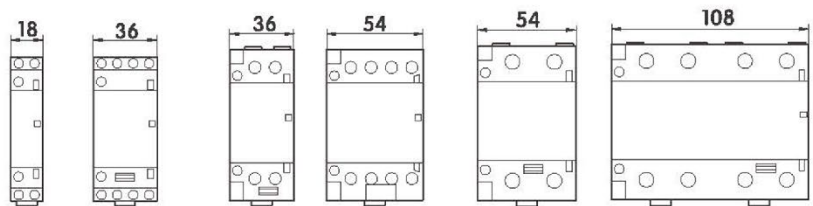
GDH8 AC Modular Contactor

● GDH8 series modular contactors are mainly suitable for lighting, heating, ventilation, roller shutters, public hot water, mechanical ventilation systems, etc., can be used for remote control in line with IEC international standards,



AC Modular Contactor

Size

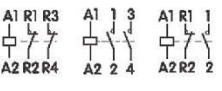
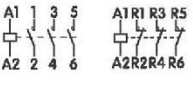
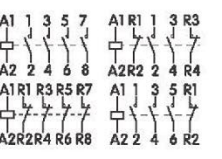


GDH8-25

GDH8-16/20/25A

GDH8-32/40/63A

GDH8-100A

Type	Schematic	Rated current(In)		Control voltage(AC) and Order Code	Contact Type	Width (mm)
		AC-7a	AC-7b			
GDH8-16-1P		16A	6A	24V/110V/230V	1NO,1NC	18
GDH8-20-1P		20A	7A			
GDH8-25-1P		25A	9A			
GDH8-16-2P		16A	6A		2NO,2NC 1NO+1NC	18
GDH8-20-2P		20A	7A			
GDH8-25-2P		25A	9A			
GDH8-32-2P		32A	12A		2NO	36
GDH8-40-2P		40A	18A			
GDH8-63-2P		63A	25A			
GDH8-100-2P		100A	-			
GDH8-16-3P		16A	6A	24V/110V/230V	3NO,3NC	36
GDH8-20-3P		20A	7A			
GDH8-25-3P		25A	9A			
GDH8-32-3P		32A	12A		54	54
GDH8-40-3P		40A	18A			
GDH8-63-3P		63A	25A		4NO,4NC 2NO+2NC 3NO+1NC	36
GDH8-16-4P		16A	6A			
GDH8-20-4P		20A	7A			
GDH8-25-4P		25A	9A			
GDH8-32-4P		32A	12A			54
GDH8-40-4P		40A	18A			
GDH8-63-4P		63A	25A			
GDH8-100-4P		100A	-		4NO	108

GDV2 Voltage Protector(dual display)

● GD30 series load isolation switch is used for AC 50Hz, rated operational voltage up to 440V, rated current up to 100A in electrical circuits, for ventilating equipment, air conditioners and water pumps on the master switch of the system, .

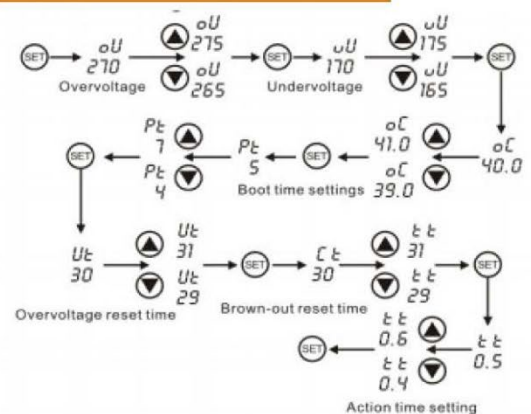


Voltage Protector



GDV2-2

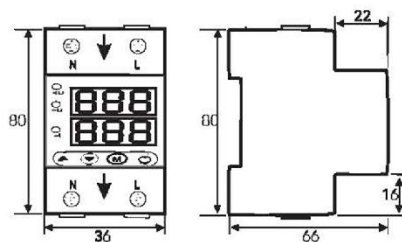
Parameter settings



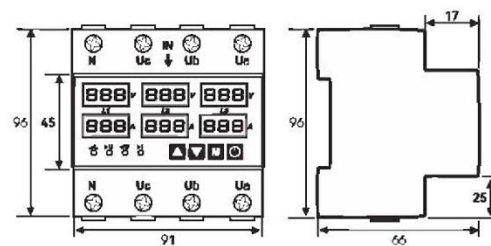
The main technical parameters

Type	GDV2-2	GDV2-4
Rated Working Voltage	220V	220V/380V
Operation Voltage Range	AC80V-400V(Single Phase)	AC140V-500V(Three Phase)
Rated Frequency	50/60Hz	
Rated Working Current	40A/63A/80A	63/80/100A
Over-voltage Protection Value	AC230V-AC300V	AC390V-AC500V
Under-voltage Protection Value	AC140V-AC210V	AC140V-AC370V
Voltage Power Off Time	1-400s	
Over current Protection Value	1-40A/1-63A	1-63A
Over current Power Off Time	1-30s	1-30s
Recover time (Starting Delay Time)	1-400s/1-30s	1-400s
Own Power Consumption	$\leq 1.5W$	
Motor Mechanical Life	$\geq 100,000$ Times	
Relative Humidity	45-90%RH	
Temperature	40°C	
Altitude	$\leq 2000M$	

Size



GDV2-2/40/63/80A



GDV2-4/63/80/100A

GDC5-63 6.0kAAC MCB

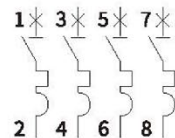
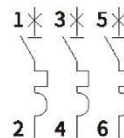
● GDC5-63 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, rated voltage 230V/400V and rated current from 1A to 63A. It also can be used for non-frequent on-and-off switch operation under normal circumstance.



- In compliance with IEC/EN62898-1.
- With indicator function in the contact position.
- Maximum connecting ability of 25mm²,



Circuit Diagram



The main technical parameters

Electrical Features	
Type	GDC5-63
Rated current	1A,2A,3A,4A,5A,6A,8A,10A,16A,20A,25A,32A,40A,50A,63A
Pole	1P,2P,3P,4P
Rated voltage Ue	240/415V~
Insulation voltage Ui	500V
Rated frequency	50/60HZ
Rated breaking capacity	6000A
Rated impulse withstand voltage(1.2/50)Uimp	6kV
Dielectric test voltage at and ind. freq.for. 1min	2kV
Thermo-magnetic release characteristic	B,C,D
Electrical life	8000
Mechanical life	10000
Installation	
Contact position indicator	YES
Protection Class	IP20
Reference temperature for setting of thermal element	30℃
Ambient temperature	-5~+40℃
Storage temperature	-25~+70℃
Terminal connection type	Cable/U-type busbar/Pin-type busbar
Terminal size top/bottom for cable	25mm ² 18-3
Tightening torque	3.0N • m 22
Mounting	On DIN rail FN60715(35mm)
Connection	Top and bottom
Combination with accessories	
Auxiliary contact	YES
Alarm contact	YES
Shunt release	YES
Under voltage release	YES

INGE DC Switch Gear

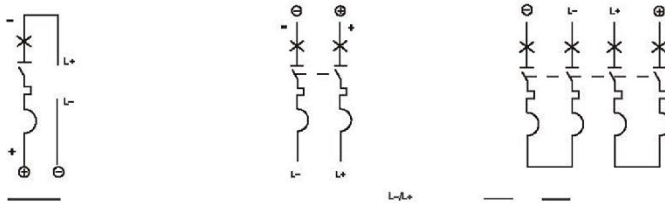
GDDC5-63 6.0kA DC MCB

● GDDC5-63 circuit breaker is used for DC rated voltage to 1000V, rated current to 63A line, for overload and short circuit protection, and can also be used as an infrequent operation of the line. Circuit breakers are used in DC applications such as communications and photovoltaic system.



- In compliance with IEC/EN60947-2.
- With indicator function in the contact position.
- Maximum connecting ability of 25mm²,

Circuit Diagram



The main technical parameters

Electrical Features	
Type	GDDC5-63
Rated current	10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A,
Pole	1P, 2P, 4P
Rated voltage Ue	1P:250V, 2P:500V, 4P:1000V,
Insulation voltage Ui	1000V
Rated frequency	50/60HZ
Rated breaking capacity	6000A
Rated impulse withstand voltage(1.2/50)Uimp	6kV
Dielectric test voltage at and ind.freq.for.1min	2kV
Thermo-magnetic release characteristic	B, C, D
Electrical life	8000
Mechanical life	10000
Installation	
Contact position indicator	YES
Protection Class	IP20
Reference temperature for setting of thermal element	30℃
Ambient temperature	-5~+40℃
Storage temperature	-25~+70℃
Terminal connection type	Cable/U-type busbar/Pin-type busbar
Terminal size top/bottom for cable	25mm ² 18-3
Tightening torque	2.5N · m
Mounting	On DIN rail FN60715(35mm)
Connection	Top and bottom
Combination with accessories	
Auxiliary contact	YES
Alarm contact	YES
Shunt release	YES
Under voltage release	YES

G2040PV Type 2 PV Surge Protective Devices

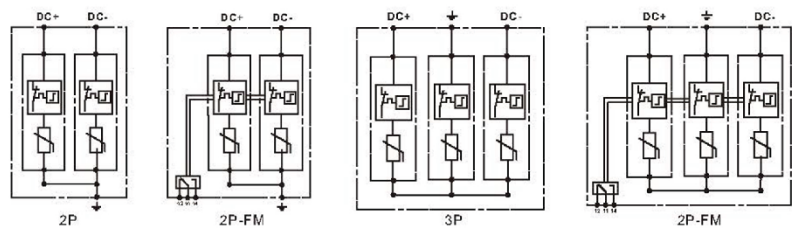


- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.

Temperature compensation

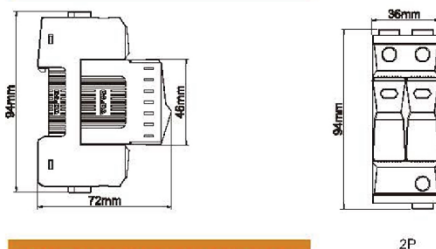


Basic circuit diagram

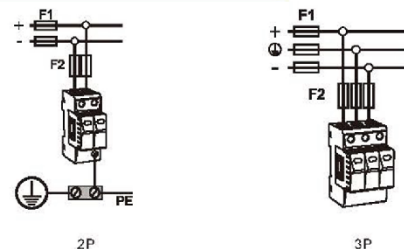


Type	G2040PV						
SPD according to EN 61643-31 / IEC 61643-31	Type 2/Class II/T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Pole	2P/3P						3P
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (t _A)	25ns						
Operating temperature range (T _U)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						

Dimension drawing

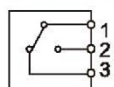


Standard wiring

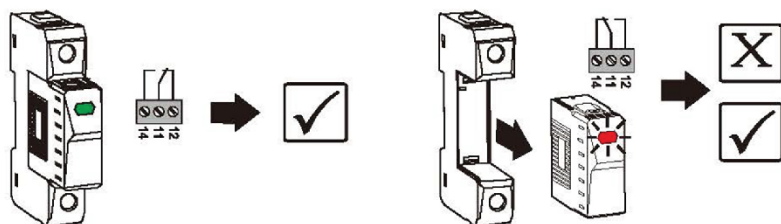
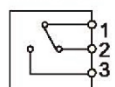


Remote signal terminal

Normal status



Alarm status



G2040PV-B+C Type 1+2 PV Surge Protective Devices

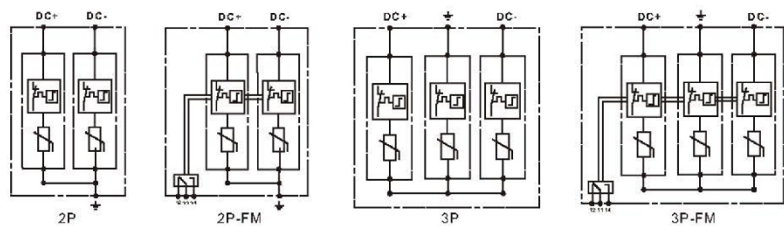
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Temperature compensation

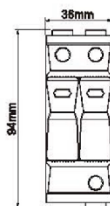
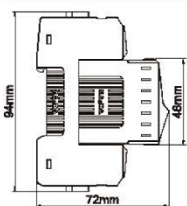


Basic circuit diagram

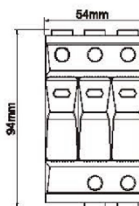


Type	G2040PV-B+C/7						
SPD according to EN 61643-31 / IEC 61643-31	Type 1+2/Class I + II/T1+T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	20kA						
Max. discharge current (8/20 μs) (I _{max})	40kA						
Lightning impulse current (10/350 μs) (I _{imp})	7kA						
Pole	2P/3P						3P
Voltage protection level (U _p)	≤1.5kV	≤2.5kV	≤2.5kV	≤3.2kV	≤4.0kV	≤4.0kV	≤4.5kV
Response time (t _a)	25ns						
Operating temperature range (T _u)	-40 °C ... +80 °C						
Operating state / fault indication	Green:normal Red:invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						

Dimension drawing

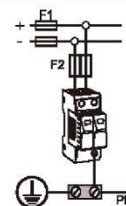


2P

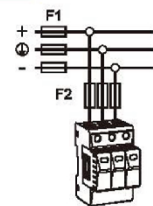


3P

Standard wiring



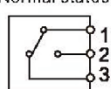
2P



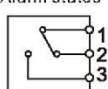
3P

Remote signal terminal

Normal status



Alarm status



G2020PV Type 2 PV Surge Protective Devices

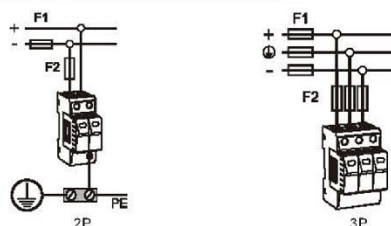
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Temperature compensation



Standard wiring



Type	G2020PV						
SPD according to EN 61643-31 / IEC 61643-31	Type 2/Class II/T2						
Max. PV voltage (d.c.) (U _{cpv})	300V dc	500V dc	600V dc	800V dc	1000V dc	1200V dc	1500V dc
Nominal discharge current (8/20 μs) (I _n)	10kA						
Max. discharge current (8/20 μs) (I _{max})	20kA						
Total lightning current (8/20 μs) DC+, DC- → PE (I _{total})	2P: 40kA, 3P: 60kA						
Voltage protection level (U _p)	≤1.5kV	≤2.2kV	≤2.2kV	≤2.8kV	≤3.2kV	≤3.6kV	≤4.0kV
Response time (t _a)	25ns						
Operating temperature range (T _u)	40 °C ... +80 °C						
Operating state / fault indication	Green: normal Red: invalid						
Number of ports	1						
For mounting on	35 mm DIN rails acc. to EN 60715						
Place of installation	indoor installation						
Degree of protection	IP20						
Approvals	TUV, CE, ROHS, CQC						
Weight	2P: 220g, 3P: 340g						

Type	G2020PV/300	G2020PV/500	G2020PV/600	G2020PV/800	G2020PV/1000	G2020PV/1200	G2020PV/1500
Ordering number	2P: 124792	2P: 124794	2P: 124796	2P: 124798 3P: 124799	2P: 124802 3P: 124803	2P: 124806 3P: 124807	3P: 124810
Type (Remote signal monitoring)	G2020PV/300-FM	G2020PV/500-FM	G2020PV/600-FM	G2020PV/800-FM	G2020PV/1000-FM	G2020PV/1200-FM	G2020PV/1500-FM
Ordering number (Remote signal monitoring)	2P: 124793	2P: 124795	2P: 124797	2P: 124800 3P: 124801	2P: 124804 3P: 124805	2P: 124808 3P: 124809	3P: 124811

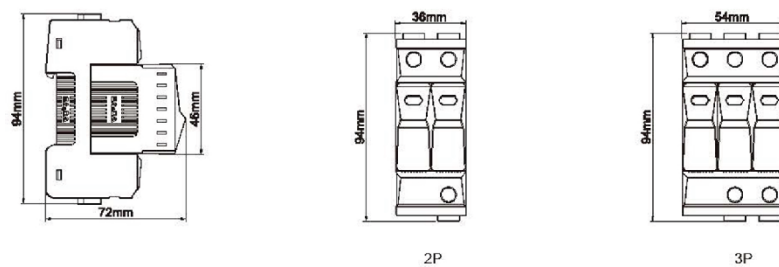
Type	G2020PV/300-Module	G2020PV/500-Module	G2020PV/600-Module	G2020PV/800-Module	G2020PV/1000-Module	G2020PV/1200-Module	G2020PV/1500-Module
Ordering number	124812	124813	124814	2P: 124815 3P: 124816	2P: 124817 3P: 124818	2P: 124819 3P: 124820	124821
Max. PV voltage (d.c.) (U _{cpv})	300V	500V	600V	800V	1000V	1200V	1500V
Nominal discharge current (8/20 μs) (I _n)	10kA						
Max. discharge current (8/20 μs) (I _{max})	20kA						
Voltage protection level (U _p)	≤1.5kV	≤2.2kV	≤2.2kV	≤2.8kV	≤3.2kV	≤3.6kV	≤4.0kV

G2020PV Type 2 PVSurge Protective Devices

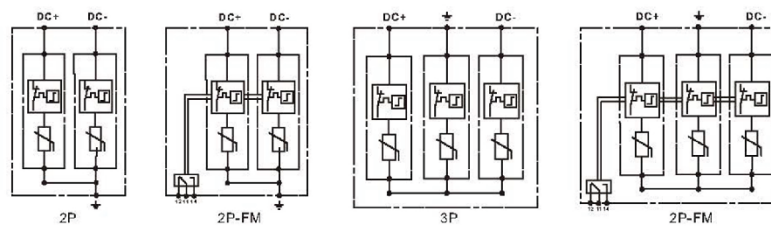
- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation
- Scan the QR code on the base to check the date of manufacture, test data, etc.



Dimension drawing

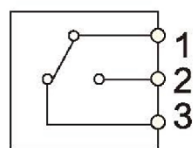


Basic circuit diagram

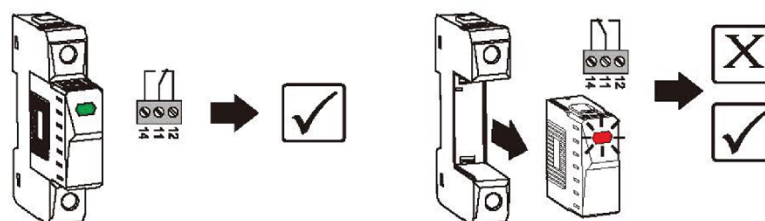
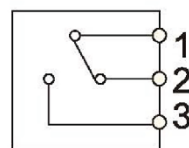


Remote signal terminal

Normal status



Alarm status



PV DC Fuse link

- GDC1-63 miniature circuit breaker is mainly used for protection against overload and short circuit under the AC 50Hz/60Hz, reted voltage 230V/400V and rated current from 1A to 63A. It also can be used for non-frequent on-and-off switch operation under normal circumstance.



Photovoltaic DC Fuse Link



GD-10PV



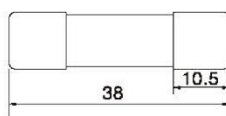
GD-12PV



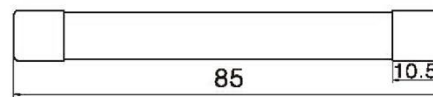
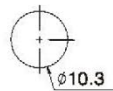
GD-13PV

Type	GD-10PV	GD-12PV	GD-13PV
Rated voltage U_e	1000V DC	1500V DC	1500V DC
Fuse Size	10*38mm	10*85mm	14*85mm
Class of Operation	gPV		
Rated current	1-32A	1-32A	8-50A
Standard	IEC 60269-6 UL248-19		
Breaking Capacity	20kA		
Time Constant	1-3ms		

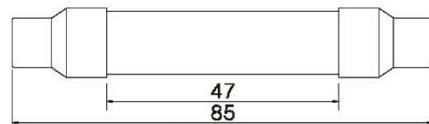
Dimensions-mm



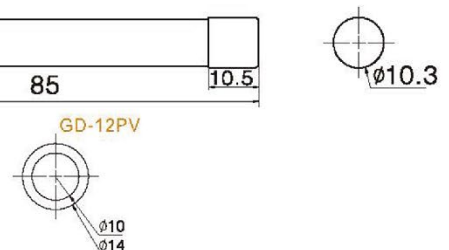
GD-10PV



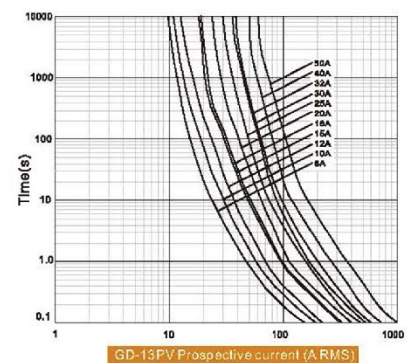
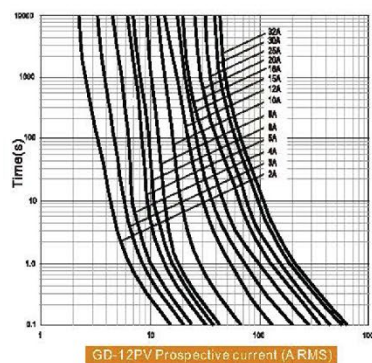
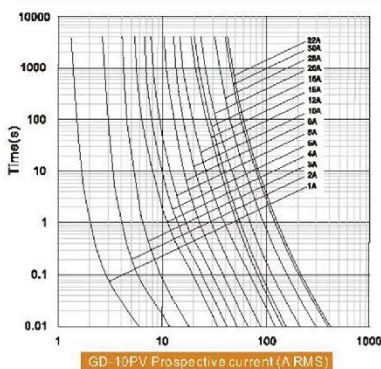
GD-12PV



GD-13PV



Time Current Curve



PV DC Fuse Base

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Photovoltaic DC Fuse Base



GDPV-32H/32HZ



GDPV-32/32Z



GDPV-32C/32CZ



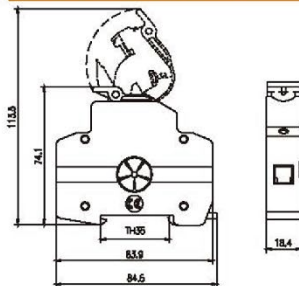
GDPV-50L/50LZ



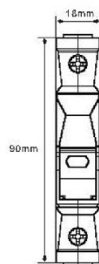
GDPV-50D/50DZ

Type	GDPV-32H/32HZ	GDPV-32/32Z	GDPV-32C/32CZ	GDPV-50L/50LZ	GDPV-50D/50DZ
Instructions	HZ:HAVE	Z:HAVE	CZ:HAVE	LZ:HAVE	DZ:HAVE
Rated voltage Ue	1000V DC			1000/1500V DC	
Fuse Size	10*38mm			10*85/14*85mm	
IP Degree	IP20				
Rated current with fuse	GD-10PV:Max 32A			GD-12PV:Max 32A,GD-13PV:Max 50A	
Standard	IEC 60269-2				
Breaking Capacity with fuse	20kA				
Time Constant	1-3ms				
Mounting method	DIN rail installation				

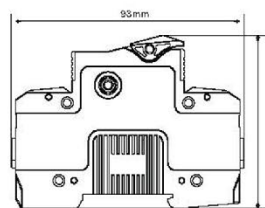
Dimensions-mm



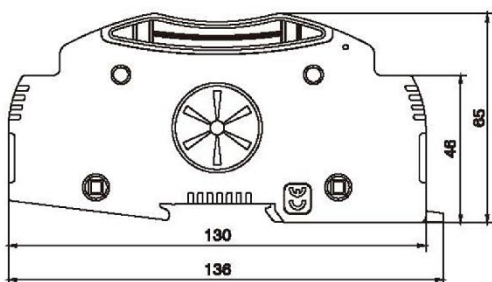
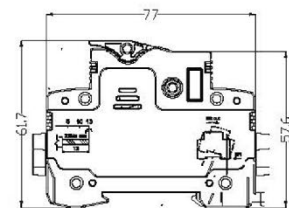
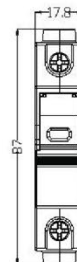
GDPV-32H/32HZ



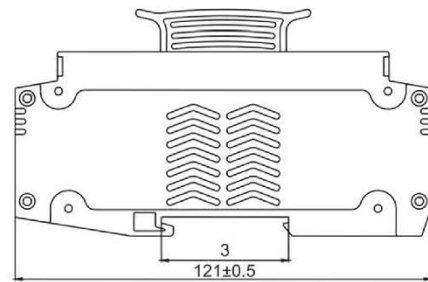
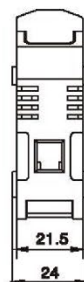
GDPV-32/32Z



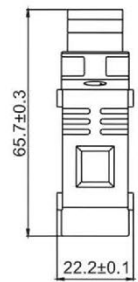
GDPV-32C/32CZ



GDPV-50L/50LZ



GDPV-50D/50DZ



Cylindrical Fuse Links



Cylindrical Fuse Links



NT00



NT1



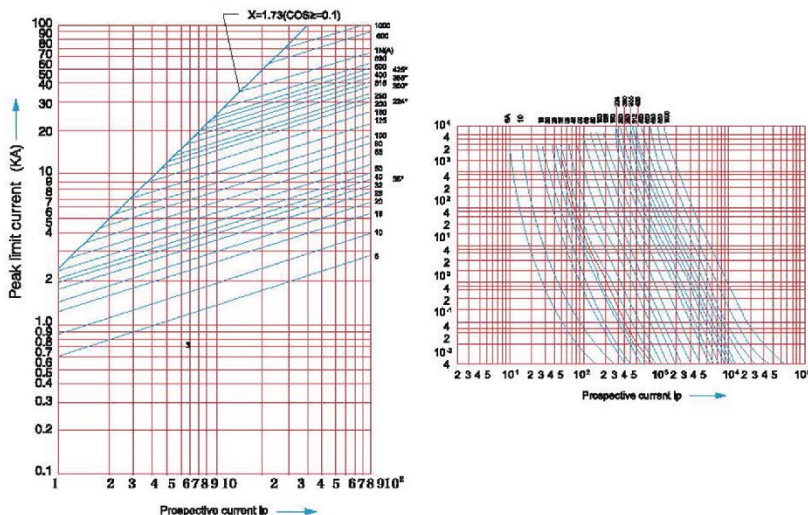
NT2



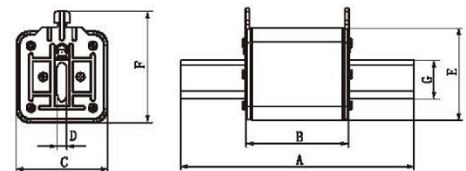
NT3

Type	NT00	RS31	NT1	RS32	NT2	RS33	NT3	RS34
Rated voltage U_e	500/690V AC /60V DC/250V DC							
Domestic and overseas similar products	NT00/NH00	RS31	NT1/NH1	RS32	NT2/NH2	RS33	NT3/NH3	RS34
Class of Operation	gG	aR	gG	aR	gG	aR	gG	aR
Rated current	4-160A		32-250A		80-400A		315-630A	
Standard	IEC 60269-6 UL248-19							
Breaking Capacity	500V AC:120kA/690V AC:50kA/60V DC:100kA/250V DC:100kA							
Time Constant	1-3ms							

Characteristic curve



Fuse Size



Overall Dimensions mm						
A	B	C	D	E	F	G
78±0.5	50	29	6	47	58	15
134±0.5	66	46	6	46	60	20
150±0.5	66	59	6	59	72	25
150±0.5	66	68	6	68	83	32

Cylindrical Fuse Base

- Innovative tripping and breaking technology
- Pressing the contacts on both sides of the module can be easily plugged and unplugged, and can be replaced without interrupting the system operation.



Cylindrical Fuse Base



BD-160-1P



BD-160-2P



BD-160-3P

Type		BD-160		BD-250		Mold development in progress			
With fuse	Rated operational Voltage Ue	AC400	AC690	AC400	AC690	AC400	AC690	AC400	AC690
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Rated Insulation Voltage Ui	1000V							
	Agreed heating current Ith	160A	100A	250A	200A	400A	315A	630A	500A
	Rated impulse withstand Voltage Uimp	12kV							
	Rated limiting short-circuit current Iq	100kA	50kA	100kA	50kA	100kA	50kA	100kA	50kA
	Use Category	AC-23B(AC400)/AC-21B(AC690)							
With Isolating knife	Electrical operating life	200 times							
	Rated operational Voltage Ue	AC380V		AC380V		AC400V		AC400V	
	Rated operational current Ie	160A		250A		400A		630A	
	Rated Insulation Voltage Ui	690V				1000V			
	Agreed heating current Ith	160A		250A		400A		630A	
	Rated impulse withstand Voltage Uimp	8kV				12kV			
	Rated short-time withstand current Icw	8kA/1s		10kA/1s		15kA/1s			
	Use Category	AC-21B				AC-23B			
	Electrical operating life	200 times							
Common parameters	Rated frequency	50/60HZ							
	Number of poles	3Pole							
FUSE	Fuse size	NT00		NT1		NT2		NT3	
	Rated operational current Ie	160A	100A	250A	200A	400A	315A	630A	500A
	Power waste P	12W		18W	32W	28W	45W	40W	50W
Mechanism	Mechanical life	1000 times				800 times			
Degree of protection(positive)		On: IP20/Off: IP30							

GDPVXX/L2 DC Isolator Switch

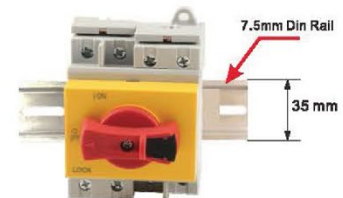
● GDPV2 Series DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltage modules and inverters. Arcing time is less than 8ms, Maxvoltage is up to 1200V DC.



- IP20 Protection Level
- Din rail mounted
- The handle can be locked in the "OFF" position
- 2 Pole, 4 Poles are viable (Single Double String)
- Standard: IEC60947-3, AS60947.3
- DC-PV2, DC-PV1, DC-21B
- 16A, 25A, 32A, 1200V DC



Press to lock



The main technical parameters

Electrical Characteristics		
Type	GDPV16-L2,GDPV25-L2,GDPV32-L2	
Function	Isolator, Control	
Standard	IEC60947-3,AS60947.3	
Utilization category	DC-PV2/DC-PV1/DC-21B	
Pole	4P	
Rated frequency	DC	
Rated operational voltage(Ue)	300V,600V,800V,1000V,1200V	
Rated operational voltage(Ie)	See the next page	
Rated insulation voltage (Ui)	1200V	
Conventional free air thermal current(Ith)	//	
Conventional enclosed thermal current(Ithe)	Same as Ie	
Rated short-time withstand current(Icw)	1kA, 1s	
Rated impulsed withstand voltage(Uimp)	8.0kV	
Overvoltage category	II	
Suitability for isolation	Yes	
Polarity	No polarity,"+"and"-"polarities could be interchanged.	
Service life/cycle operation		
Mechanical	18000	
Electrical	2000	
Installation Environment		
Ingress protection	Switch Body	IP20
Storge temperature	-40℃~+85℃	
Mounting Type	Vertically or horizontally	
Pollution degree	3	

GDPVXX/L2 DC Isolator Switch

● GDL2 Series DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltage modules and inverters. Arcing time is less than 8ms, Max-voltage is up to 1200V DC.

Rated Volatage/Rated Current

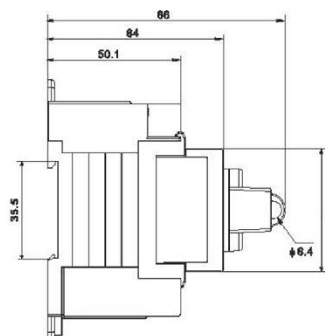
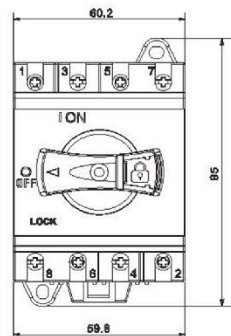
Wiring	Type	300V	600V	800V	1000V	1200V
2P/4P	GDPV16-L2 Series	16A	16A	12A	8A	6A
	GDPV25-L2 Series	25A	25A	15A	9A	7A
	GDPV32-L2 Series	32A	27A	17A	10A	8A
4T/4B/4S	GDPV16-L2 Series	16A	16A	16A	16A	16A
	GDPV25-L2 Series	25A	25A	25A	25A	25A
	GDPV32-L2 Series	32A	32A	32A	32A	32A
2H	GDPV16-L2 Series	35A	35A	/	/	/
	GDPV25-L2 Series	40A	40A	/	/	/
	GDPV32-L2 Series	45A	40A	/	/	/

Switching Configurations

Type	2-Pole	4-Pole	2-Pole 4 Poles in series Input and Output bottom	2-Pole 4 Poles in series Input and Output on top	2-Pole 4 Poles in series Input and Output bottom	2-Pole 4 Paralleled Poles
/	2P	4P	4T	4B	4S	2H
Contacts Wiring graph						
Switching example						

Size

Dimensions (mm)



GDPVXX-L3 DC Isolator Switch

● GDPV Series DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltaic modules and inverters. Arcing time is less than 8ms, Maxvoltage is up to 1200V DC.



- IP20 Protection Level
- Din rail mounted
- The handle can be locked in the "OFF" position
- 2 Pole, 4 Poles are viable (Single Double String)
- Standard: IEC60947-3, AS60947.3
- DC-PV2, DC-PV1, DC-21B
- 16A, 25A, 32A, 1200V DC

The main technical parameters

Electrical Characteristics		
Type	GDPV16-L3,GDPV25-L3,GDPV32-L3	
Function	Isolator, Control	
Standard	IEC60947-3,AS60947.3	
Utilization category	DC-PV2/DC-PV1/DC-21B	
Pole	2P/4P	
Rated frequency	DC	
Rated operational voltage(Ue)	300V,600V,800V,1000V,1200V	
Rated operational voltage(Ie)	See the next page	
Rated Insulation voltage (Ui)	1200V	
Conventional free air thermal current(Ith)	//	
Conventional enclosed thermal current(Ithe)	Same as Ie	
Rated short-time withstand current(Icw)	1kA, 1s	
Rated impulse withstand voltage(Uimp)	8.0kV	
Overvoltage category	II	
Suitability for isolation	Yes	
Polarity	No polarity, "+" and "-" polarities could be interchanged.	
Service life/cycle operation		
Mechanical	18000	
Electrical	2000	
Installation Environment		
Ingress protection	Switch Body	IP20
Storage temperature	-40℃~+85℃	
Mounting Type	Vertically or horizontally	
Pollution degree	3	

GDPVXX-L3 DC Isolator Switch

● GDPV Series DC Isolator Switch is applied to 1~20 KW residential or commercial photovoltaic system, placed between photovoltaic modules and inverters. Arcing time is less than 8ms, Max-voltage is up to 1200V DC.



Rated Voltage/Rated Current

Wiring	Type	300V Order Code	600V Order Code	800V Order Code	1000V Order Code	1200V Order Code
2P/4P	GDPV16-L3 Series	16A	16A	12A	8A	6A
	GDPV25-L3 Series	25A	25A	15A	9A	7A
	GDPV32-L3 Series	32A	27A	17A	10A	8A
4T/4B/4S	GDPV16-L3 Series	16A	16A	16A	16A	16A
	GDPV25-L3 Series	25A	25A	25A	25A	25A
	GDPV32-L3 Series	32A	32A	32A	32A	32A
2H	GDPV16-L3 Series	35A	35A	/	/	/
	GDPV25-L3 Series	40A	40A	/	/	/
	GDPV32-L3 Series	45A	40A	/	/	/

Order Code

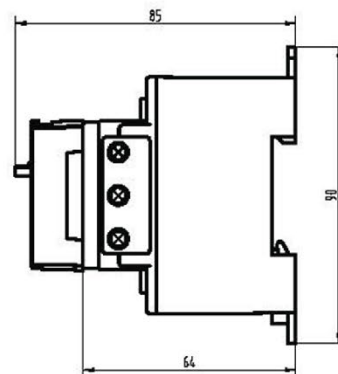
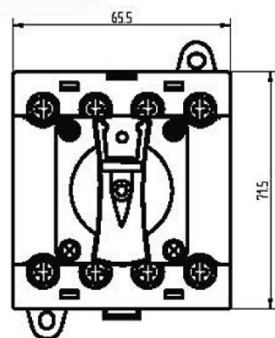
Type	GDPV16-L3 Series	GDPV25-L3 Series	GDPV32-L3 Series
Order Code	270066	270067	270068

Switching Configurations

Type	2-Pole	4-Pole	2-Pole 4 Poles in series Input and Output bottom	2-Pole 4 Poles in series Input and Output on top	2-Pole 4 Poles in series Input and Output bottom	2-Pole 4 Paralleled Poles
/	2P	4P	4T	4B	4S	2H
Contacts Wiring graph						
Switching example						

Size

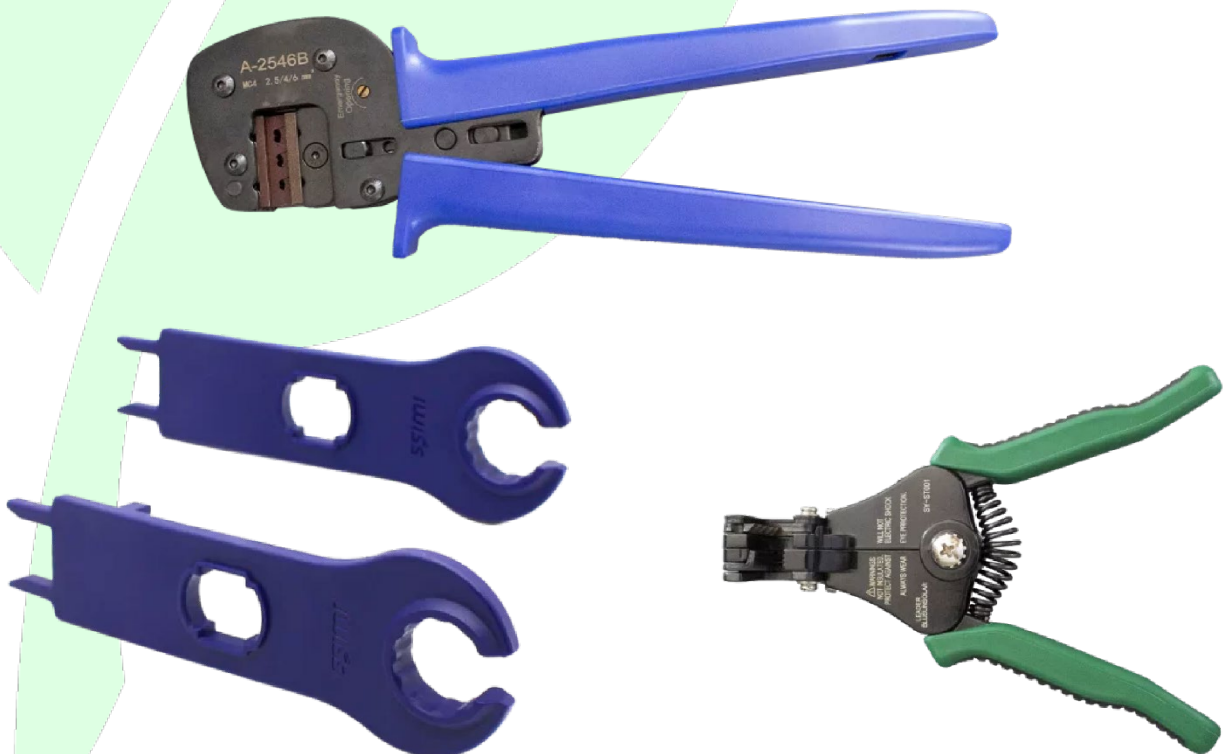
Dimensions (mm)



MC4 Connectors



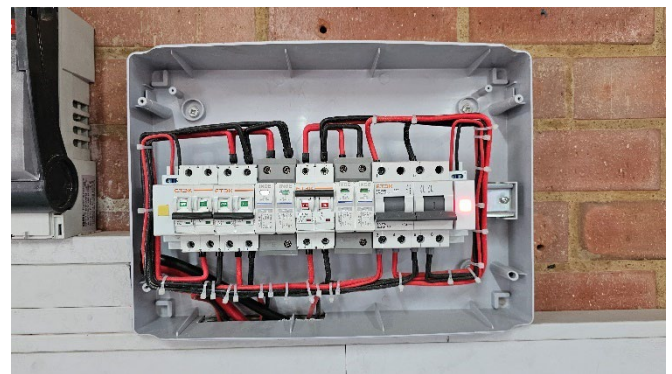
SKU	Product Description
MC4 Connectors	
MC4-6	MC4 Connector Male and Female 1000VDC (4mm/6mm)
MC4-6HV	MC4 Connector Male and Female 1500VDC (4mm/6mm)
MC4-10	MC4 Connector Male and Female 1000VDC / 1500VDC (10mm)
MC4BC	MC4 M12 Junction Box Connector Male and Female 1000VDC (4mm/6mm)
SY-CM4A-D	MC4 Diode Connector 1000VDC 12A
MC4FC	MC4 Inline Fuse Holder 1000VDC (1 x Fuse Included) (Use 10x38mm Fuse)
MC4-A4-A-FM	MC4 Aluminium Cable Connector Male and Female 1500VDC (6mm-16mm)
MC4 T-Branch Connectors	
MC4T2-1	MC4 Connector: T - Branch Connector 2 To 1
MC4T3-1	MC4 Connector: T - Branch Connector 3 To 1
MC4T4-1	MC4 Connector: T - Branch Connector 4 To 1
MC4T5-1	MC4 Connector: T - Branch Connector 5 To 1
INGE Click-Top	
Inge-CTCC	Inge: Click-Top Cross Connector
KT002	Inge: Click-Top Attachment
KT003	Inge: Eco Attachment (Fits M10 Hanger Bolt & IBR Bracket)
Tools	
MC4S	MC4 Solar Connector Spanner Two-Set for MC4-1
MC4C	MC4 Copper Cable Connector Terminal Crimper
MC4C-AL	MC4 Aluminium Cable Connector Terminal Crimper
MC4-STRIP	MC4 Solar Panel Cable Wire Stripper Tool



INGE Pre-Built DBs



SKU	Product Description
INGE AC Pre-Wired Box	
Inge-ACCB-5KW	Inge: AC 5KW Pre-Wired Box Single Phase
Inge-ACCB-8KW	Inge: AC 8KW Pre-Wired Box Single Phase
Inge-ACCB-12KW	Inge: AC 12KW Pre-Wired Box Three Phase
Inge-ACCB-16kW	Inge: AC 16KW Pre-Wired Box Single Phase
Inge-ACCB-20kW	Inge: AC 20KW HV Pre-Wired Box Three Phase
Inge-ACCB-50kW	Inge: AC 50KW HV Pre-Wired Box Three Phase
INGE PV Combiner Box	
Inge-PVCB2/2	INGE: PV 500V Isolation & Protection Box: 2 PV Input / 2 DC Output - 2 Strings / 2 MPPT
Inge-PVCB4/4	INGE: PV 500V Isolation & Protection Box: 4 PV Input / 4 DC Output - 4 Strings / 2 MPPT
ETEK PV Combiner Box	
PB015	ETEK: PV 500V Isolation & Protection Box: 1 PV Inputs / 1 DC Outputs - 1 Strings / 1 MPPT (8 Way Box)
PB008	ETEK: PV 500V Isolation & Protection Box: 2 PV Inputs / 1 DC Outputs - 2 Strings / 1 MPPT (8 Way Box)
PB010	ETEK: PV 500V Isolation & Protection Box: 2 PV Inputs / 2 DC Outputs - 2 Strings / 2 MPPT (12 Way Box)
PB016	ETEK: PV 500V Isolation & Protection Box: 3 PV Inputs / 1 DC Outputs - 3 Strings / 1 MPPT (12 Way Box)
PB011	ETEK: PV 800V Isolation & Protection Box: 3 PV Inputs / 2 DC Outputs - 3 Strings / 2 MPPT (18 Way Box)
PB009	ETEK: PV 500V Isolation & Protection Box: 4 PV Inputs / 1 DC Output - 4 String / 1 MPPT (12 Way Box)
PB012	ETEK: PV 500V Isolation & Protection Box: 4 PV Inputs / 2 DC Outputs - 4 Strings / 2 MPPT (18 Way Box)
PB017	ETEK: PV 500V Isolation & Protection Box: 5 PV Inputs / 2 DC Outputs - 5 Strings / 2 MPPT (18 Way Box)



INGE Solar Geyser Element Controller

MPPT Geyser Element Controller

4000W PV / AC Heating Power

Highlights

- ▲ Maximum power point tracking technology (MPPT Technology)
- ▲ Advanced DSP control chip, smart control Best solution for multi storey buildings due to cables and not pipes, less heat loss more cost effective
- ▲ Panels could be fitted any distance from geyser
- ▲ **No** Moving parts eg: pumps
- ▲ **No** expensive element up-grade, uses standard elements
- ▲ **No** routine maintenance like some other types
- ▲ **No** expensive inverter needed
- ▲ Only light panels to be installed on roof, **NO HEAVY** tanks
- ▲ Grid back-up option for poor weather conditions
- ▲ Can function with Solar or Grid
- ▲ **IP65** Design, indoor and outdoor applications.
- ▲ **INGE DOES NOT FEEDBACK INTO THE GRID**

Definition

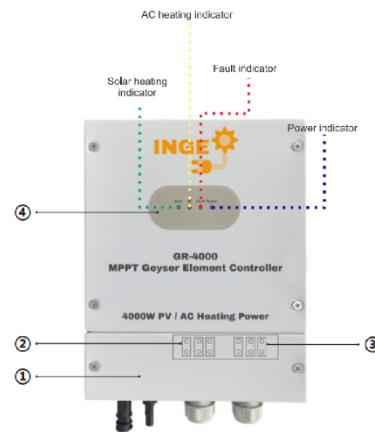
-The MPPT solar heating controller is designed for connecting to an electric water heater or resistive load.

-Solar heating first. If the solar energy is insufficient, and it will switch to utility smartly.

-IP65 waterproof design, Indoor and Outdoor applications.



Appearance feature



① -PV input terminal

- + Connect to PV positive (+)
- Connect to PV negative (-)

② -AC OUTPUT terminal interface

- L-----Connect to heating equipment L line
- N-----Connect to heating equipment N line
- PE-----Connect to heating equipment Ground line

③ -AC INPUT terminal interface

- L-----Connect to AC Grid L line
- N-----Connect to AC Grid N line
- PE-----Connect to AC Grid Ground line

④ -LED indicator

Indicates the current working status of the controller

Green indicator: indicates solar heating status

Yellow indicator: indicates AC heating status

Red indicator: indicates fault status

Blue indicator: indicates the controller power

Our Services

Rent-to-Own Solar Financing
Solar Product Repairs
Solar Training
Support

Rent-to-Own Solar Financing



RENT-TO-OWN SOLAR FOR YOUR BUSINESS

Introducing Solar Power for Your Business – Unleash the Power of the Sun to Boost Your Bottom Line!

- Are rising energy costs impacting your business profitability?
- Want to reduce your carbon footprint and contribute to a sustainable future?
- Ready to embrace a clean, renewable energy source that can save you money?

Look no further!

Our tailored Rent-to-Own solar solutions for businesses can revolutionize the way you power your operations. Here's what you can expect when you switch to Rent-to-Own solar with us:

- ✓ **Cost Savings:**
Slash your energy bills and lock in predictable energy costs for years to come. Solar energy is not only environmentally friendly but also economically beneficial.
- ✓ **Sustainability:**
Show your commitment to the environment by powering your business with clean, renewable solar energy. Reduce your carbon emissions and make a positive impact on the planet.
- ✓ **Energy Independence:**
Gain energy independence and reduce your reliance on traditional utility companies. Enjoy a reliable and consistent energy supply, even during power outages
- ✓ **Tax Incentives & Rebates:**
Take advantage of various government incentives, tax credits, and rebates that make the switch to solar even more financially attractive.

✓ **Customized Solutions:**

Our expert team will work closely with you to design a solar system tailored to your business's unique energy needs and budget. We'll ensure it seamlessly integrates with your operations.

✓ **Own your solar solutions:**

After your final payment, the installed system will be yours.

Join the solar revolution and empower your business with clean, sustainable, and cost-effective solar energy. Contact us today to schedule a consultation and make the first step toward a brighter, more sustainable future!



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Dyness


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