D Power Series

Pure Sine Wave Inverter

SOD Power series is a kind of pure sine wave inverter convert DC power into AC Power. Industrail design, wide operatig temperature range, high reliablity and high efficiency. The wide input voltage range is ideal for solar system. The inverter can be applied in many fields like household emergency light system, vehicle mounted system and field power supply etc.

FEATURES

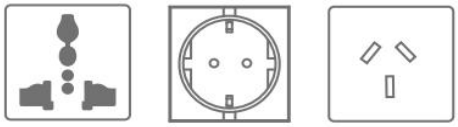
- Input and output electrical isolation
- Advanced SPWM technology, pure sine wave output
- Optional output voltage 220/230VAC (or 110/120VAC)
- LED indicators for fault status and working status
- Extreme low No-load consumption
- Max. efficiency up to 95% (SOD-100022) ①
- Input protection: Over voltage protection, low voltage protection
- Output protection: Over load protection, short circuit protection
- Over temperature protection: Temperature-controlled fan ventilation,
- Inverter turns off automatically when overheating
- Optional USB output: 5V/2.4A; 5V/1A
- CE-EMC/LVD, RoHS, FCC approved.
- Optional RS485 communication port ②

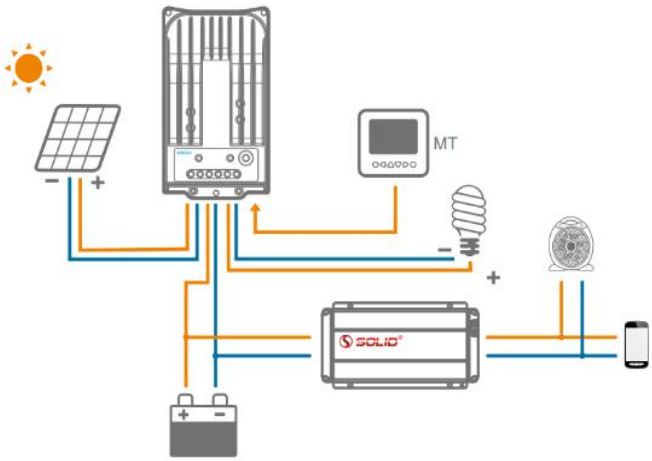
① The efficiency is tested at rated input voltage 24V, output 220V with resistive load at 26 ℃ ambient temperature,

② 1000W and higher version support RS485 communication port

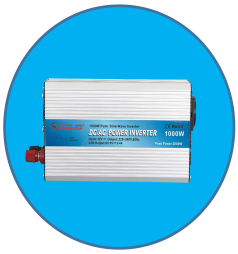
Application

Output socket (option)





PRODUCT MODEL



SOLID®

D300	D1200
D500	D1500
D600	D2000
D1000	D3000
	D4000
12/24V	12/24/48V
110V~130V/220V~240V	110V~130V/220V~240V

TECHNICAL SPECIFICATIONS

Model	D300	D600	D1000	D1500	D2000	D3000	D4000
Input Rated Voltage	12VDC, 24VDC				12VDC, 24VDC, 48VDC		
Input Voltage Range	10.5~15.0VDC, 21.0~30.0VDC				10.5~15.0VDC, 21.0~30.0VDC, 42.0~60VDC		
Output Voltage	110VAC/120VAC, 220VAC/230VAC				110VAC/120VAC, 220VAC/230VAC		
Output Wave	Pure Sine Wave						
Output Frequency	50/60Hz ±3%						
Ouput Continuous Power	300W	600W	1000W	1500W	2000W	3000W	4000W
Max. Output Power 1 hours	350W	650W	1200W	1600W	2200W	3200W	4200W
Max. Surge Power	600W	1200W	2000W	3000W	4000W	6000W	8000W
Distortion THD	< 3% (resistive road)						
Peak Efficiency	12V/24V 90%, 48V 92%						
Max. USB Output(Optional)	5V, 1A~2.4A						
No-load consumption	0.6A	0.7A	0.8A	0.9A	0.9A	0.9A	1.0A
Low Voltage alarm	10.5V±0.3V (12V), 21V±0.6V (24V), 42V±1.2V (48V)						
Low voltage shutdown	10V±0.3V (12V), 20V±0.6V (24V), 40V±1.2V						
Overload	Output Shutdown, Red indicator alarms						
Over voltage	15.5V±0.3V (12V), 31V±0.3V (24V), 62V±0.3V (48V)						
Over temperauture	Output shutdown (internal > 90℃), automatically recover after temperature goes down						
Short circuit	Output shutdown, Red indicator alarms, restart to recover (Optional)						
Reverse polarity	Fuse burnt						
Working Temperature	'-40℃~50℃						
Other	Remote control default 5m wire/wireless (Optional)						
Warranty	24 month						
Certification	CE-EMC, CE-LVD, RoSH, FCC, TEST REPORT						

L Power Series

Modified Sine Wave Inverter

SOL Power series is a kind of modified sine wave inverter convert DC power into AC Power. Industrail design, wide operatig temperature range, high reliablity and high efficiency. The wide input voltage range is ideal for solar system. The inverter can be applied in many fields like household emergency light system, vehicle mounted system and field power supply etc.

FEATURES

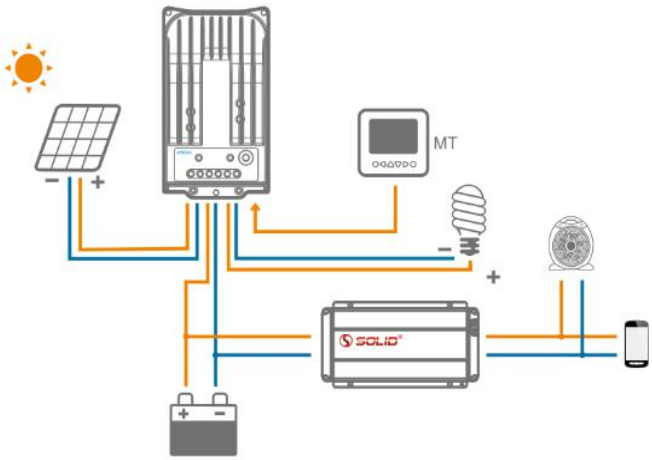
- Input and output electrical isolation
- Advanced SPWM technology, modified sine wave output
- Optional output voltage 220/230VAC (or 110/120VAC)
- LED indicators for fault status and working status
- Extreme low No-load consumption
- Max. efficiency up to 95% (SOL-100022) ①
- Input protection: Over voltage protection, low voltage protection
- Output protection: Over load protection, short circuit protection
- Over temperature protection: Temperature-controlled fan ventilation,
- Inverter turns off automatically when overheating
- Optional USB output: 5V/2.4A; 5V/1A
- CE-EMC/LVD, RoHS, FCC approved.
- Optional RS485 communication port ②

① The efficiency is tested at rated input voltage 24V, output 220V with resistive load at 26 ℃ ambient temperature,

② 1000W and higher version support RS485 communication port

Application

Output socket (option)



PWN

PRODUCT MODEL

L300	L1200
L500	L1500
L600	L2000
L1000	L3000
	L4000
12/24V	12/24/48V
110V~130V/220V~240V	110V~130V/220V~240V

SOLID®

TECHNICAL SPECIFICATIONS

Model	L300	L600	L1000	L1500	L2000	L3000	L4000
Input Rated Voltage	12VDC, 24VDC				12VDC, 24VDC, 48VDC		
Input Voltage Range	10.5~15.0VDC, 21.0~30.0VDC				10.5~15.0VDC, 21.0~30.0VDC, 42.0~60VDC		
Output Voltage	110VAC/120VAC, 220VAC/230VAC				110VAC/120VAC, 220VAC/230VAC		
Output Wave	Modified Sine Wave						
Output Frequency	50/60Hz ±3%						
Ouput Continuous Power	300W	600W	1000W	1500W	2000W	3000W	4000W
Max. Output Power 1 hours	350W	650W	1200W	1600W	2200W	3200W	4200W
Max. Surge Power	600W	1200W	2000W	3000W	4000W	6000W	8000W
Peak Efficiency	12V/24V 92%, 48V 93%						
Max. USB Output(Optional)	5V, 1A~2.4A						
No-load consumption	0.4A	0.5A	0.6A	0.7A	0.7A	0.7A	0.8A
Low Voltage alarm	10.5V±0.3V (12V), 21V±0.6V (24V), 42V±1.2V (48V)						
Low voltage shutdown	10V±0.3V (12V), 20V±0.6V (24V), 40V±1.2V						
Overload	Output Shutdown, Red indicator alarms						
Over voltage	15.5V±0.3V (12V), 31V±0.3V (24V), 62V±0.3V (48V)						
Over temperauture	Output shutdown (internal > 90℃), automatically recover after temperature goes down						
Short circuit	Output shutdown, Red indicator alarms, restart to recover (Optional)						
Reverse polarity	Fuse burnt						
Working Temperature	’-40℃~50℃						
Other	Remote control default 5m wire/wireless (Optional)						
Warranty	24 month						
Certification	CE-EMC, CE-LVD, RoSH, FCC, TEST REPORT						