

U Power Series

Modified Sine Wave Inverter with charger



SOU Power series is kind of modified sine wave inverter convert DC power into AC Power. Industrail design, wide operatig temperature range, high reliablity and high efficiency. This inverter with charger function is ideal for off grid system. The inverter can be applied in many fields like household emergency light system, office working 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
- Cooling fan: by load control
- 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
- AC input protection: AVR function
- Transfer time: < 8ms
- Compact design, light weight.

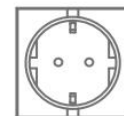
Application



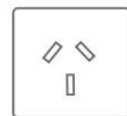
Output socket (option)



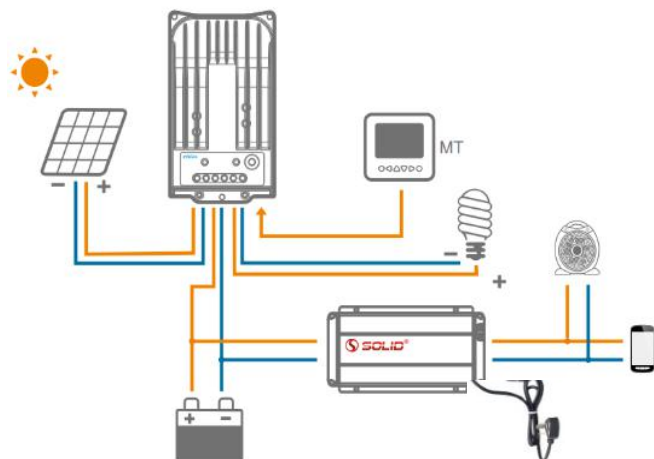
Universal



European



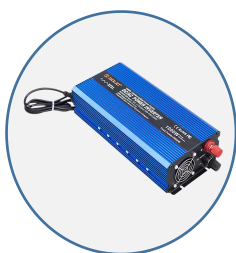
Australia/
New Zealand



PWN



PRODUCT MODEL



SOLID®

U400
U500
U800
U1000

U1200
U1500
U2000
U3000

12/24V
110V~130V/220V~240V

12/24/48V
110V~130V/220V~240V

TECHNICAL SPECIFICATIONS

Model	U400	U800	U1000	U1500	U2000	U3000	U4000
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						
Transfer time	< 8ms						
Ouput Continuous Power	400W	800W	1000W	1500W	2000W	3000W	4000W
Max. Output Power 1 hours	450W	850W	1200W	1600W	2200W	3200W	4200W
Max. Surge Power	800W	1600W	2000W	3000W	4000W	6000W	8000W
AC input protection	AVR Function						
Cooling fan	By load control						
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°C), automatically recover after temperature goes down						
Short circuit	Output shutdown, Red indicator alarms, restart to recover (Optional)						
Reverse polarity	Fuse burnt						
Working Temperature	'-40°C~50°C						
Other	Remote control default 5m wire/wireless (Optional)						
Warranty	18 month						
Packing	Netural box, user manual, fuse, DC connect cable * 1set						