Pure Sine Wave Inverter/Automobile Inverter



PSI-818
(800W-3,000W)



PSI-819
(300W-1,500W)

Features:

- Pure sine wave output, suitable for all kinds of loads.
- Low idle power and high output efficiency.
- AC output voltage 220-240V/110-120V settable via LCD panel, 230V default (only for LCD model).
- Output frequency 50 Hz/60 Hz settable via LCD panel, 50Hz default (only for LCD model).
- Normal mode and Boost mode settabel via LCD panel, Boost mode default (only for LCD model).
- Wired remote control with 6m cable.
- Additional output terminal (available for 1800W/2000W/2800W/3000W).

Model No.	Rated Capacity	Battery Voltage	N.W. / Product (kgs)	Product Size (WxHxD mm)	Inner Box Size (LxWxH mm)	Carton Size (LxWxH mm)	Qty / Ctn (pcs)
PSI-818-800W-12	800W	12VDC	2.7	280.4 x 159.6 x 88.8	332 x 205 x 142	684 x 430 x 309	8
PSI-818-1200W-12	1200W		3.3	310.4 x 159.6 x 88.8	365 x 205 x 142	744 x 430 x 309	8
PSI-818-1800W-12	1800W		4.5	375 x 195.6 x 99.3	423 x 250 x 173	520 x 443 x 371	4
PSI-818-2800W-1	2800W		5.4	432.5 x 195.6 x 99.3	480 x 250 x 173	520 x 500 x 371	4
PSI-818-1000W-24	1000W	24VDC	2.7	280.4 x 159.6 x 88.8	332 x 205 x 142	684 x 430 x 309	8
PSI-818-1500W-24	1500W		3.3	310.4 x 159.6 x 88.8	365 x 205 x 142	744 x 430 x 309	8
PSI-818-2000W-24	2000W		4.5	375 x 195.6 x 99.3	423 x 250 x 173	520 x 443 x 371	4
PSI-818-3000W-24	3000W		5.4	432.5 x 195.6 x 99.3	480 x 250 x 173	520 x 500 x 371	4
PSI-819-300W-12	300W	12VDC	0.77	225.6 x 118 x 56	243 x 137 x 62	525 x 348 x 332	16
PSI-819-500W-12	500W		0.94	250.6 x 118 x 56	265 x 150 x 62	555 x 348 x 365	16
PSI-819-800W-12	800W		2.7	281.6 x 150 x 76	325 x 210 x 130	670 x 440 x 285	8
PSI-819-1200W-12	1200W		3.2	314.6 x 150 x 76	356 x 210 x 130	732 x 440 x 295	8
PSI-819-1000W-24	1000W	24VDC	2.7	281.6 x 150 x 76	325 x 210 x 130	670 x 440 x 285	8
PSI-819-1500W-24	1500W		3.3	314.6 x 150 x76	356 x 210 x 130	732 x 440 x 295	8

Technical Specifications

MODEL PSI-818 (LCD display) PSI-819 (LED display)	-300W-12	-500W-12	-800W-12	-1000W-24	-1200W-12	-1500W-24	-1800W-12	-2000W-24	-2800W-12	-3000W-24
AC OUTPUT										
Rated Capacity (100%)	300W	500W	800W	1000W	1200W	1500W	1800W	2000W	2800W	3000W
Rated Output Voltage	220V/230 VAC or 110V/120 VAC									
Output Voltage Range	AC mode (AVR mode): ±10% DC mode(Inverter mode): ±5%									
Output Frequency	50 Hz or 60 Hz									
Output Waveform	Pure sine wave									
Max Efficiency	90%									
DC INPUT										
Nominal Input Voltage	12VDC	12VDC	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC
Input Voltage Range	12VDC models: 9.5-15.5VDC 24VDC models: 19-31VDC									
Battery Type	Lead acid or LiFePO4									
Idle Current	0.8A	0.8A	1A	1A	1.4A	1.4A	1.7A	1.7A	2.3A	2.3A
Battery Fuse	1 x 40A	2 x 30A	3 x 40A	2 x 30A	4 x 45A	4 x 45A	6 x 45A	4 x 35A	9 x 45A	6 x 35A
LCD DISPLAY (Only for PSI-818 Series)										
LCD Display	Input voltage, output voltage, output Frequency, battery capacity, load rate, error code output voltage, output Frequency, output mode (boost mode or normal mode)									
Setting Keys	AC mode, DC mode, load rate, charging battery/battery capacity, overload, other errors									
Error Code	01: Battery low votage protection; 02: Battery high voltage protection; 03: Output short circuit protection; 04: Over temperature protection; 05: Overload protection; 06: Battery low voltage alarm; 07: Over temperature alarm									
LED INDICATORS (Only for PSI-819 Series)										
LED Indicators	Green LED: Normal Red LED: Faulty									
PROTECTIONS										
Protections	Overload, battery over charge/discharge, short circuit, over temperature									
OTHER FUNCTIONS										
Output Socket	1 x BS/Shucko/French/Universal/South Africa or 2 x NEMA 5-15R									
Output Terminal	1 x 3pin terminal block									
USB Output	5VDC, 2.1A									
Remote Control	Wired remote control with 6m cable									
OPERATING CONDITIONS										
IP Level	IP20									
Storage Temperature	-10°C ~ 40°C									
Operating Temperature	-15°C ~ 40°C									
Operating Humidity	10%-90%, non-condensing									