



iPower Series

DC-AC Inverter | Model ~ Pure Sine Wave | iPS 1600-12



Features and performances

- Outstanding efficiency and overload.
- Perfect management and limitation of AC sources.
- Power shaving of the consumption peaks.
- Automatic allocation of the power available.
- Automatic protection of the sources against overload.
- Ultra-short transfer time (from 0 to 15ms max.).
- Automatic and efficient stand-by.
- Dim. : 40x19x15 (LxWxH cm) , 15.74x7.5x5.48 (LxWxH inch)
- Carton box Dim.: 47.9x24.6x22.4 (LxWxH cm) , 18.8x9.5x9 (LxWxH inch)
- [Weight : 17Kg](#)

2 YEAR WARRANTY Parts & Labor *

Model	iPS 1600-12
Inverter	
Nominal battery voltage	12V
Input voltage range	12 - 17V
Continuous power @ 25°C	1200W
Power 30 min. @ 25°C	1400W
Power 25 sec. @ 25°C	2.4kVA
Maximum load	Up to short-circuit
Maximum efficiency	80%
Consumption OFF/Stand-by/ON	3W / 8W / 70W
Output voltage	Sine wave 220Vac (+/- 2%) / 190-245Vac
Overload and short-circuit protection	Automatic disconnection up to 10 times restart attempt
Overheat protection	Warning before shut - with automatic restart
Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)	
Charging current adjustable	0 - 30A
Maximum input voltage	265Vac
Input AC voltage range	Adjustable threshold from 150 to 265Vac
Battery control	
Absorption end	By duration 2 / 0.25 - 10 h or by current - / 4 - 30A
Absorption voltage**	14.4 / 9.5 - 17V
Periodic absorption voltage**	9.5 - 17V
Floating voltage**	13.6 / 9.5 - 17V
Reduced floating voltage	9.5 - 17V
Equalization**	By number of cycles (1 - 100) or at set interval (52 weeks)
Equalization end	By duration 4 / 0.25 - 10 h or by current - / 4 - 30A
Deep-discharge protection	10.8 / 9.5 - 17V
Reduced floating time	0 - 32 days
Net Weight	17 Kg (37.5 lbs)
Weight with the cartoon box	17.5Kg (38.9 lbs)

*Reverse polarity not under warranty