



iPower Series

DC-AC Inverter ~ Pure Sine Wave Model IPS 3700-24



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.
- Active filtering of the load steps on the genset.
- Automatic protection of the sources against overload.
- Powerful multi-stage PFC charger.
- Ultra-short transfer time (from 0 to 15ms max.).
- Automatic and efficient stand-by.
- Compatible with AC coupling.
- Display, programming and data logging.
- RS-232 communication for remote supervision.
- iPS Dim. : 44.50x20x17.2(LxWxH cm) , 17.50 x 7.87x6.8 (LxWxH inch)
- Carton box Dim.: 53.5x30.5x30.5 (LxWxH cm) , 21.65x11.8x12 (LxWxH inch)
- Weight : 25Kg (55lbs)

2 YEAR WARRANTY Parts & Labor *

Model	IPS 3700-24
Inverter	
Nominal battery voltage	24V
Input voltage range	19 - 34V
Continuous power @ 25°C	2000W
Power 30 min. @ 25°C	2800W
Power 25 sec. @ 25°C	5.6kVA
Maximum load	Up to short-circuit
Maximum asymmetric load	Up to Continuous power
Load detection (stand-by)	2 to 25 W
Maximum efficiency	86 – 90%
Consumption OFF/Stand-by/ON	3W / 9W / 70W
Output voltage	Sine wave 220Vac (+/- 2%) / 190-245Vac
Dynamic behavior	5 ms (on load change 0 to 100%)
Overload and short-circuit	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 - 45A
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**	28.8 / 19 - 34V
Periodic absorption voltage**	19 - 34V
Floating voltage**	27.2 / 19 - 34V
Reduced floating voltage	19 - 34V
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	21.6 / 19 - 34V
Reduced floating time	0 - 32 days
Periodic absorption time	0 - 10 hours
General data	
IPS 3700-24	
Auxiliary Output	2 independent Transistor short circuit protected outputs
Auxiliary Input	2 Opto Coupler Programmable Input 10V → 60VDC
Net Weight	25Kg (55lbs)
Weight with the cartoon box	26.2Kg (57.5lbs)

*Reverse polarity not under warranty

** Programmable