

UPS 3700 with Medium battery cabinet

The UPS 3700 VA is a pure sine wave inverter with boost charger up to 30A charging current, installed over a battery bank with 24 VDC and around **400 AH** capacity.

The UPS 3700 comes with a display that shows the current charge state of the battery bank, and consumption/charging current.

This UPS system has a continuous power of 2000W (10A) which is enough to run a large size house for around 8 hours (around 3A continuous load, as ;TV 40" ,refrigerator,4 Lamps 85W) it is a very comprehensive solution for microwave use and/or washing machine for a **long period of time**. The battery bank can feed a 10 Amps continuous load for 4 hours. *If you are sure that your load won't exceed 10 Amps but not sure when electricity will be back, you should use a larger battery bank*

The UPS 3700 can handle a load up to 2800 W (13 Amps) for 30 minutes, which make it suitable for items with high starting current such as big motors.

iPower Series

DC-AC Inverter Model

~ Pure Sine Wave **iPS 3700-24**
Battery Bank 400AH **8X6V(200AH)**

Features and performances

- Outstanding efficiency and overload.
- Perfect management and limitation of AC sources.
- Power saving 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.
- Dim. : 44.50×20×17.2(L×W×H cm)
- Battery Bank Dim.: 62×33×116 (L×W×H cm)



Optional Add On:

Wireless Contactor : is used when you need to install the UPS System away from the mains , so instead on installing wires the wireless contactor will do the job

Box size : 15×12×7 cm (L×W×H)

Ampere Rating : 25 A

Remote Relay : installed along with **Wireless Contactor** to disconnect unnecessary heavy load from power when running on UPS and Automatically connect when on mains

Box Size : 10×7×4 cm (L×H×W)

Ampere Rating : 10 A

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)
Battery Bank	
Number of Batteries	8 batteries 200AH each
Volt Arrangement	24 V
Battery Brand	Crown – Made in USA
Cabinet Structure	Metal frame with aluminum cladding
Net Weigh	Around 210 Kg

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