

UPS 7000 with Medium battery cabinet

The UPS 7000 VA is a pure sine wave inverter with a boost charger up to 45A charging current, installed over a battery bank with 48 VDC and about **200 AH** capacity.

The UPS 7000 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 5000W (23A) which is enough to run a full size house for around 12 hours (around 3A continuous load, as; TV 40" ,refrigerator,4 Lamps 85W) it is a good solution if you want to keep all your applicants running for a **short period of time**. The battery bank can feed a 20 Amps continuous load for 2 hours. *If you are not sure when electricity will be back choose higher battery bank*

The UPS 7000 can handle a load up to 6500 W (30 Amps) for 30 min, which is more than enough for a standard size house.

iPower Series

DC-AC Inverter	Model
~ Pure Sine Wave	IPS 7000-48
Battery Bank 200AH	8X6V(200AH)

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.
- Dim. : 52.5 × 29.4×21.2 (L×W×H cm)
- Battery Bank Dim.: 62×33×110 (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 7000-48
Inverter	
Nominal battery voltage	48V
Input voltage range	38 - 68V
Continuous power @ 25°C	5000W
Power 30 min. @ 25°C	6500W
Power 25 sec. @ 25°C	11.2 KVA
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	3 W / 9 W / 48 W
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**	57.6 / 38 - 68V
Periodic absorption voltage**	38 – 68 V
Floating voltage**	54.4 / 38 - 68V
Reduced floating voltage	38 – 68 V
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	64.8 / 38 - 68V
Reduced floating time	0 - 32 days
Periodic absorption time	0 - 10 hours
General data	
iPS 7000-48	
Auxiliary Output	2 independent Transistor short circuit protected outputs
Auxiliary Input	2 Opto Coupler Programmable Input 10V 60VDC
Net Weight	50 Kg (110 lbs)
Battery Bank	
Number of Batteries	8 batteries 200AH each
Volt Arrangement	48 V
Battery Brand	Crown – Made in USA
Cabinet Structure	Metal frame with aluminum cladding
Net Weigth	Around 210 Kg

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