

UPS 7000 with Large battery cabinet

The UPS 7000 VA is a pure sine wave inverter with boost charger up to 45A charging current, installed over a battery bank with 48 VDC and around **400 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 (23 Amps) 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 the best solution if you want to keep all your applicants running for a **Long period of time**. The battery bank can feed a 20 Amps continuous load for 4 hours 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 (2 bed rooms , 2 bath rooms , kitchen , salon and dining room) .

The UPS System 7000 backed with solar panels is the Ultimate choice to have your own reliable electricity with no need for mains or generators as long as you keep control over your peak load to be at day light

iPower Series

DC-AC Inverter	Model
~ Pure Sine Wave	iPS 7000-48
Battery Bank 400AH	16X6V(400AH)

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.: two boxes 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	16 batteries 200AH each
Volt Arrangement	48 V
Battery Brand	Crown – Made in USA
Cabinet Structure	Metal frame with aluminum cladding
Net Weighth	Around 420 Kg

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ROLMAN CENTER 2 - 3RD FLOOR - OLD SAYDA RD

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