

Features

- Pure sin output wave, AVR mode,
- Wall mounted metal case,
- Synchronize with working mains voltage and frequency
- Automatic charger and inverter mode,
- Energy save mode,
- Many parameters to set in LCD user MENU.

Photo



Applications

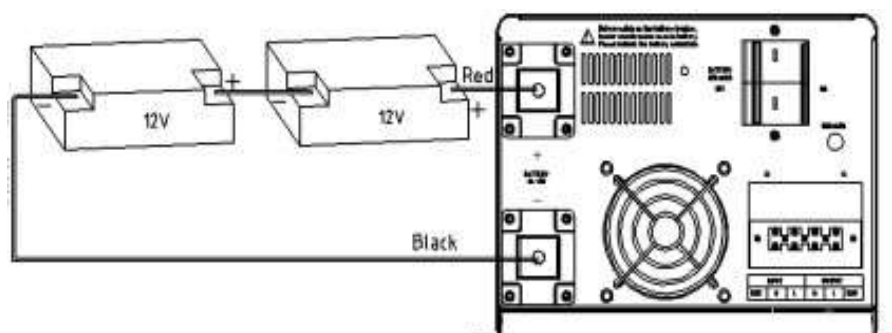
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|---|---|---|
|  |  |  |
| Heating systems | Gas and solar systems | Security systems |
|  |  |  |
| Emergency lighting | Home electronics | Home automations |

Technical parameters

| MODEL | IPS2500-SIN-WM | IPS3500-SIN-WM |
|--|--|--|
| Output power (apparent/active) | 2500VA/2500W | 3500VA/3500W |
| INPUT | | |
| Input voltage | Rated: 230VAC Input voltage range: 156Vac – 294Vac | |
| Input frequency | 50/60Hz ± 10% (autodetect) | |
| OUTPUT | | |
| Output voltage | Mains mode: 182Vac – 253Vac, Battery mode: 230Vac +/- 5%, | |
| Frequency | 50/60Hz ± 1% (auto-detect) | |
| Output waveform | Mains mode: pure sin, Battery mode: pure sin, | |
| Transfer time | Max.: 15 ms | |
| Output sockets | Screw terminal | |
| Efficiency | Mains mode: <95% Battery mode: <80% | |
| Power factor | 1,0 | |
| Loads | Resistance, inductive, capacitive, rectifiers | |
| Overload in mains mode | 105% - 300s, 110% - 120s, 125% - 60s, 150% - 10s; SWITCH TO BYPASS MODE | |
| Overload in battery mode | 105% - 300s, 110% - 60s, 125% - 10s, 150% - 0,7s; INVERTER SHUTDOWN | |
| BATTERY | | |
| Battery type | Lead Acid VRLA voltage: 24V | |
| Charger current | 1 - 50A * (default 20A) | 1 - 60A * (default 20A) |
| Charger current level | 1,2,3,4,5,6,7,8,9,10,15,20,25,30,35,40,45,50A | 1,2,3,4,5,6,7,8,9,10,15,20,25,30,35,40,45,50,55,60 A |
| Boost voltage | 28,8V Vdc | 28,8V Vdc |
| Float voltage | 27,4Vdc | 27,4Vdc |
| End of discharge voltage | 20,4Vdc | 20,4Vdc |
| Eod level | 19,2-23Vdc | 19,2-23Vdc |
| Batteries capacity: | 2szt 12V 26....400Ah in 24V system | 2szt 12V 26....400Ah in 24V system |
| Battery cable length: | None | None |
| Wire diameter: | None | None |
| PROTECTINS | | |
| Full protections | Overcurrent, short circuit, temperature, overvoltage, low discharge, over charge | |
| ENVIRONMENT | | |
| Humidity | 20~90% RH @ 0~40°C (non-condensate) | |
| Noise | Regulated fan speed | |
| DIMMENSIONS & WEIGHT | | |
| Net weight / gross weight (kg) | 32 / 34 kg | 36 / 38 kg |
| Dimensions width / depth / height (mm) | 302 / 479 / 209 | 302 / 479 / 209 |
| Package width / depth / height (mm) | 353 / 582 / 287 | 353 / 582 / 287 |

*best charger current is 0,1C₂₀ capacity.

Battery connection:



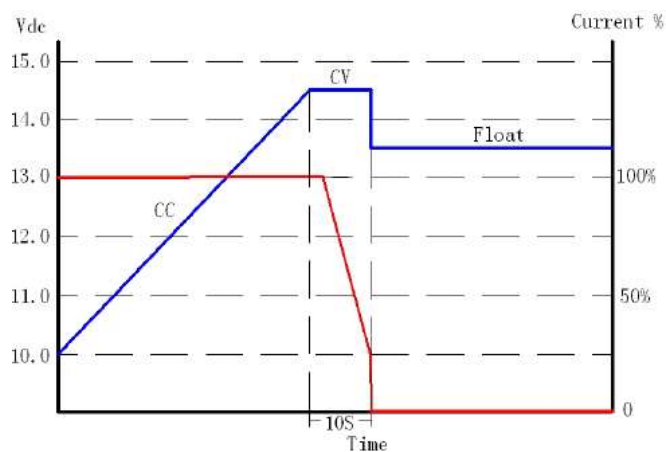
Standard Accessories:

- instruction manual

Charger characteristic

3-stage charger : CC -> Boost CV -> Float.

- 1) Stage I – constant current, up to equalizing charge voltage
- 2) Stage II – constant voltage, time 10seconds
- 3) Stage III – floating voltage , after 10days recover



LCD MENU function description:

| | Function | Description | Default value | Options |
|----|----------|--|---------------|--|
| 1 | OUT | Rated output voltage of the inverter | 230V | 220V/230V/240V |
| 2 | HZ | Rated output frequency of the inverter | 50Hz | 50Hz/60Hz |
| 3 | B | Equalizing charge voltage | 14,1V | 13,6...15V |
| 4 | F | Floating charge voltage | 13,5V | 13,2...14,6V |
| 5 | E | End of discharge voltage | 10,2V | 9,6...11,5V |
| 6 | CUR | Charging current | 10A | 1,2,3,4,5,6,7,8,9,10,15,20,25,30A 35,40,45,50A (55,60A) |
| 7 | IECO | Inverter no-load ECO mode | No | No/Yes N/Y |
| 8 | INLS | Inverter no-load shutdown function | No | No/Yes N/Y |
| 9 | DCAU | DC auto restart function | No | No/Yes N/Y |
| 10 | ACAU | AC self-starting function | Yes | No/Yes N/Y |
| 11 | INP | Input power matching of the generator | 120% | 10%-120% rated power |
| 12 | INLS | Inverter shutdown load rate | 3% | 3%-50% rated power |
| 13 | T | DC auto restart time | 1h | 0,5h...8h |
| 14 | SAVE | Save and exit | - | No/Yes N/Y |