





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

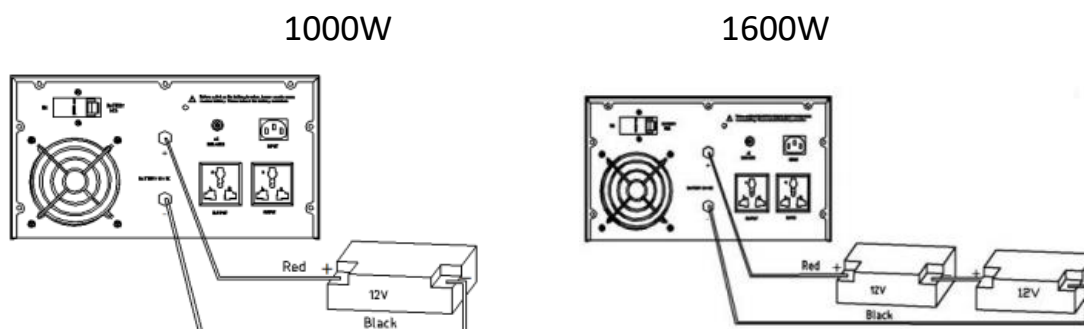
| | | |
|---|---|---|
|  |  |  |
| Heating systems | Gas and solar systems | Security systems |
|  |  |  |
| Emergency lighting | Home electronics | Home automations |

Parametry techniczne

| MODEL | IPS1000-SIN | IPS1600-SIN |
|---|---|--|
| Output power (apparent/active) | 1000VA/1000W | 1600VA/1600W |
| INPUT | | |
| Input voltage | Rated: 230VAC Input voltage range: 156Vac – 294Vac | |
| Input frequency | 50/60Hz ± 10% (autodect) | |
| 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.: 10 ms | |
| Output sockets | CEE 7/3 2pcs (Shucko) | |
| Efficiency | Mains mode: <95% Battery mode: <80% | |
| Power factor | 1,0 | |
| Loads | Resistance, inductive, capacitive, rectifiers | |
| Overload in mains mode | 105% przez 300s, 110% przez 120s, 125% przez 60s, 150% przez 10s, przejście w tryb BYPASS | |
| Overload in battery mode | 105% przez 300s, 110% przez 60s, 125% przez 10s, 150% przez 0,7s, wyłączenie przetwornicy | |
| BATTERY | | |
| Battery type | Lead Acid VRLA voltage: 12V | Lead Acid VRLA voltage: 24V |
| Charger current | 1 - 50A * (default 20A) | 1 - 60A * (default 20A) |
| Charger current level | 1,2,3,4,5,6,7,8,9,10,15,20,25,30,35,40A | 1,2,3,4,5,6,7,8,9,10,15,20,25,30,35,40 A |
| Boost voltage | 14,4V Vdc | 28,8V Vdc |
| Float voltage | 13,6Vdc | 27,4Vdc |
| End of discharge voltage | 10,2Vdc | 20,4Vdc |
| Eod level | 19,2-23Vdc | 19,2-23Vdc |
| Batteries capacity: | 1szt 12V 26...400Ah in 12V system | 2szt 12V 18...400Ah in 24V system |
| Battery cabel lenght: | 0,8m | 0,8m |
| Przekrój przewodów bateryjnych: | 6mm ² , M10 | 6mm ² , M10 |
| PROTECTINS | | |
| Full protections | Overcurrent, short circuit, temperaturę, overvoltage, low discharge, over charge | |
| ENVIRONMENT | | |
| Humidity | 20~90% RH @ 0~40°C (non-condensate) | |
| Noise | Regulated fan speed | |
| DIMMENSIONS & WEIGHT | | |
| Weight netto/brutto (kg) | 14 / 14,6 kg | 18 / 18,5 kg |
| Dimmensions width / depth / height (mm) | 293 / 280 / 160 | 293 / 280 / 160 |
| Package width / depth / height (mm) | 370 / 355 / 235 | 370 / 355 / 235 |

*best charger current is 0,1C₂₀ capacity.




Battery connection:



Standard Accesories:

- instruction manual

Additional accesories (options):

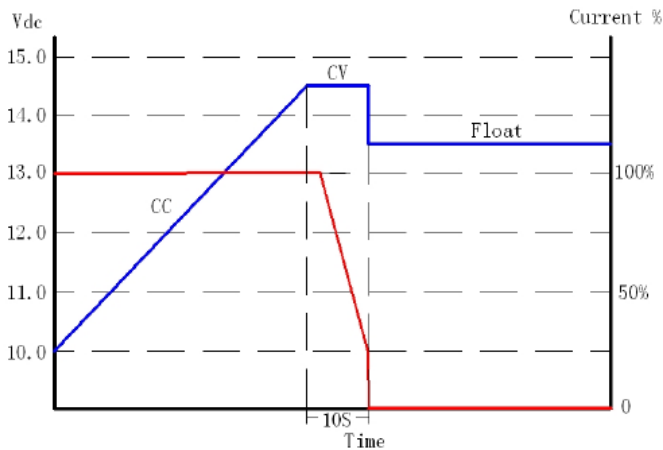
| | | | |
|---|--|---|---|
| <p>- Akumulator AGM</p>   | <p>GLP 26-12 GLP 33-12 GLP 40-12 GLP 55-12 GLP 65-12 GLP 80-12 GLP 100-12 GLP 120-12 GLP 150-12 GLP 200-12</p> | <p>MB 26-12 MB 33-12 MB 40-12 MB 55-12 MB 65-12 MB 80-12 MB100-12 MB 120-12 MB 150-12 MB 200-12</p> |  |
|---|--|---|---|

| MODEL | IPS1000-SIN | IPS1600-SIN |
|-------|--|--|
| EAN |  5 902135 120927 |  5 902135 123768 |

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 35,40A |
| 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 |