

Features:

- True sine output wave
- Standalone metal case
- Synchronized output frequency with mains
- Auto battery charging
- Microprocessor control unit, output voltage THD < 5%
- Phase line transfer from input to output during mains mode
- Cold start
- Suitable with: resistance load, motor load, capacity load,
- LCD menu display
- Overcurrent protection 150% (450W, 900W)
- Eco mode, (standby mode 5W)
- 3-stage charging current, settable on LCD MENU
- Backup time according to connected AGM batteries
- Quick installation
- Low-frequency toroidal transformer

Application: PC computers, home wi-fi systems, lighting, garage gates, cctv, access control, heating control systems, measurement systems, motors.



Technical parameters:




| MODEL | IPS300-SIN-WM | IPS600-SIN-WM |
|------------------------------------|---|------------------------|
| Output power (apparent/active) | 300VA/300W | 600VA/600W |
| INPUT | | |
| Rated input voltage | 230Vac 175Vac – 290Vac | |
| Input frequency | 50/60Hz ± 10% (auto-detect) | |
| OUTPUT | | |
| Output voltage | Mains mode: 199Vac – 254Vac Battery mode: 230Vac +/-5%, THD max 5% | |
| Frequency | 50/60Hz ± 10% (auto-detect) | |
| Output waveform | Pure sine wave | |
| Transfer time | 3-10ms | |
| Output sockets | 2pcs (CEE 7/3 Schuko) | |
| Efficiency | >80% (battery mode) | |
| Loads | Resistance, inductive, capacitive, rectifier | |
| Overload in mains mode | 105% by 300s, 110% by 120s, 125% by 60s, 150% by 10s, transfer to BYPASS mode | |
| Overload in battery mode | 105% by 300s, 110% by 60s, 125% by 10s, 150% by 0,7s, system shut-down | |
| BATTERY | | |
| Working voltage | 13,7V | |
| Charger current | 1-15A* (domyślnie 10A) | 1-30A* (domyślnie 20A) |
| Equalizing voltage | 14,1 Vdc | |
| Floating voltage | 13,5Vdc | |
| End of discharge (default) | 10,2Vdc | |
| End of discharge level | 9,6-11,5Vdc | |
| Suitable battery capacity | 26....400Ah | |
| Battery wires length | 0,5m | |
| Battery wires cross-section | 6mm ² , M10 | |
| PROTECTIONS | | |
| Full protections | Overload, overcurrent, thermal, battery protection | |
| ENVIRONMENT | | |
| Humidity | 20~90% RH @ 0~40°C (non-condensating) | |
| Noise level | Depend on load | |
| DIMMENSION & WEIGHT | | |
| Weight netto/brutto (kg) | 8,3/9,3 | 10,5/11,3 |
| Lenght/width/height (mm) w / d / h | 400x210x127 | |
| Box lenght/width/height (mm) | 490x290x195 | |

*selectable from LCD MENU, need to adjust depend on AGM battery capacity. Best is 0,1*C₂₀.

Standard accessories:

- User manual
- Supply cable

Additional accessories:

| | | | |
|--|--|---|---|
| <p>- AGM battery</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>MW 26-12 MW 33-12 MW 40-12 MW 55-12 MW 65-12 MW 80-12 MW 100-12 MW 120-12 MW 150-12 MWL 200-12</p> |  |
|--|--|---|---|

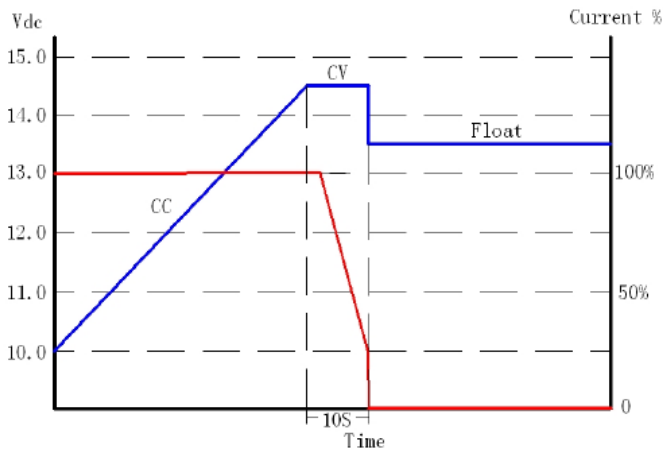
Estimate backup time for 250W output

| | | | | |
|-----------|------------|------------|------------|------------|
| GLP 26-12 | GLP 33-12 | GLP 40-12 | GLP 55-12 | GLP 65-12 |
| 20min | 30min | 40min | 55min | 1,5h |
| GLP 80-12 | GLP 100-12 | GLP 120-12 | GLP 150-12 | GLP 200-12 |
| 2h | 2,5h | 3h | 3,5h | 5h |

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 |
| 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 |