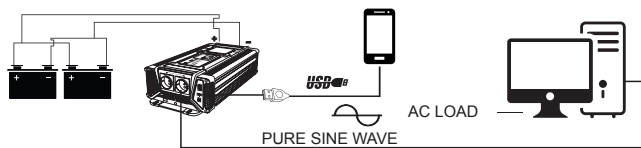


Features

- LCD digital display shows input and output data and fault alarm.
- Isolation and EMI filtering design.
- Ultra distance remote control within 1km by RS485 port.
- Upgraded polarity reverse protection controlled by mosfet without burning fuse.
Host computer function (optional) which can monitor totally 255 units of inverters.
The system parameters are adjustable by selection button.
- Intelligent cooling fan with load and temperature controller both.


AC Output Standard EU Schucko  Europe



Applications, just for reference



Specification

| Model | | PDA1200SS-12D | PDA1200SS-24D | PDA1200SS-48D |
|-------------------|--|--|------------------------------|------------------------------|
| Input | DCV | 12V | 24V | 48V |
| | Voltage Range | 10-15VDC | 20-30VDC | 40-60VDC |
| | No-load Current | ≤1A | | |
| | Convert efficiency | ≥90% | | |
| | Fuse | 50A*4 | 25A*4 | 15A*4 |
| | DC Wiring | BVR16*1 | BVR10*1 | BVR6*1 |
| Output | ACV | 220/230/240VAC | 220/230/240VAC | 220/230/240VAC |
| | Rated power | 1200W | | |
| | Peak power | 2400W | | |
| | USB | 5V, 2.1A | | / |
| | Waveform | Sine Wave  (THD<3%) | | |
| | Frequency | 50/60Hz±0.5Hz | | |
| | ACV regulate rate | ±5% | | |
| | Output socket | European Schucko (German Type) | | |
| | LED indicator | Green light: power indicator; Red light: protection status and failure | | |
| | Remote controller function | Default | | |
| | RS485 | Included | | |
| | LCD display | DC input voltage, AC output Voltage, AC output power, battery charge, load rate, interface code and fault code | | |
| Protection | Input low voltage alarm | 11±0.5VDC, 10.5-11.5V settable | 22±1VDC, 21-23V settable | 44±2VDC, 42-46V settable |
| | Input low voltage protection | 10.5±0.5VDC, 10-11V settable | 21±1VDC, 20-22V settable | 42±2VDC, 40-44V settable |
| | Input low voltage protection recovery | 12±0.5VDC, 11.5-12.5V settable | 24±1VDC, 23-25V settable | 48±2VDC, 46-50V settable |
| | Input over voltage protection | 15.3±0.5VDC, 15.2-16V settable | 30.6±1VDC, 30.4-32V settable | 61.2±2VDC, 60.8-64V settable |
| | Input over voltage protection recovery | 14.7±0.5VDC, 14.5-15V settable | 29.4±1VDC, 29-30V settable | 58.5±2VDC, 58-60V settable |
| | Overload/short-circuit protection | Lock up after protection (default) or restart after protection | | |
| | Over temperature protection | Close output, automatic restart after temperature reduction | | |
| | Input reversed protection | OK, no respond | | |
| | Soft start | Yes, 2-6S | | |
| Ground protection | Yes | | | |
| Environment | Working temperature | -20°C -50°C | | |
| | Working humidity | 20%-90%RH no condense | | |
| | Storage temperature & humidity | -30-70°C, 10%-95%RH | | |
| Safety&EMC | Safety standards | CE & UL458 (only for GFCI receptacle) | | |
| | EMI Conduction & Radiation | Compliance to EN55022 Class A | | |
| | Isolation resistance | I/P-O/P:1000Ohms/500VDC | | |
| | EMS Immunity | Compliance to EN61000-3-2,3 | | |
| | LVD | Compliance to EN60950-1: 2006+A11:2009 | | |
| | E-mark | Compliance to E8*72/245/EEC,95/54/EC | | |
| Others | Size | 284*150*78.6mm | | |
| | Remote controller | Optional | | |
| | Cooling fan | Control by load/temperature | | |
| | Application | Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems...etc. | | |

Note: Specification prior to change without notice

