



Eco Power Systems



EP 1000 Duo

EP 2000 Duo

EP 3000 Duo

Features

- Double conversion online technology
- Fully digitized DSP / microprocessor control
- Wide input voltage range
- LCD display
- UPS start up without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- Network/fax/modem surge protection
- Optional extension battery pack
- Battery voltage display
- Load capacity display
- EMI/RFI noise filter
- Smart RS232 communication with monitoring software
- Optional SNMP card slot
- EPO function (optional)
- Input L and N reversed alarm function

| Model | EP 1000 Duo | | EP 2000 Duo | | EP 3000 Duo | | |
|-------------------------|---|--|---------------------------------------|-------------|--------------|-------------|--------------|
| Capacity | 1 KVA | | 2 KVA | | 3 KVA | | |
| Input | Voltage Range | When load < 70%, input range is 115±5VAC~295±5VAC When load ≥ 70%, input range is 160±5VAC~295±5VAC | | | | | |
| | Frequency Range | 46 – 64 hz autosensing | | | | | |
| | Phase | Single phase | | | | | |
| | Power Factor | ≥ 0.97 | | | | | |
| | Output | Voltage Range | 220/230Vac ±2% | | | | |
| Output | THD (linear load) | <3% | | | | | |
| | THD (non-linear load) | < 6% | | | | | |
| | Overload Capability | >110%, 30s turn to bypass mode; >150%, 300ms turn to bypass mode | | | | | |
| | Crest Factor | 3:1 (max) | | | | | |
| | Waveform | pure sine wave | | | | | |
| | Transfer Time | Between AC Mode and Battery Mode : 0ms Between AC Mode and Bypass Mode : 4ms (typical value 2.5ms) | | | | | |
| | Efficiency | ≥ 90% | | ≥ 92% | | | |
| | Battery | Model | 12V sealed lead acid maintenance free | | | | |
| | Battery | DC Voltage | 36VDC | | 96VDC | | |
| | | Charge Current | 1 / 7 / 14 A | | 1 / 7 / 14 A | | 1 / 7 / 14 A |
| Recharge Time | | 90% capacity after 8 hrs charging | | | | | |
| Communication Interface | Rs232; SNMP (optional) | | | | | | |
| LCD Indication | 1. Input voltage/frequency, battery voltage, output voltage/frequency, load watt/VA and percent, inverter temperature 2. Operation mode such as 'on line', 'on batt', or 'or bypass' | | | | | | |
| LED Indication | 1. Green LED for normal operation, 2. Yellow LED for warning condition 3. Red LED for abnormal operation | | | | | | |
| Noise Level | <45dB | | | | | | |
| Environment | Temperature | 0~40°C | | | | | |
| | Humidity | 0%~95% (non-condensing) | | | | | |
| | Storage Temperature | -25~55 °C | | | | | |
| Other | Long Time Unit Net/ Gross Weight | 7.5/9Kg | 8/10Kg | 14/16Kg | 19/21Kg | 15/17Kg | 20/22Kg |
| | Dimension (WxDxH)mm | 144x419x215 | 483x400x89 | 191x478x339 | 483x520x89 | 191x478x339 | 483x520x89 |
| | Packing (WxDxH)mm | 258x524x334 | 587x550x254 | 332x603x482 | 592x665x292 | 332x603x482 | 592x665x292 |