

Powerpack DSP Series

ONLINE UPS
6-10kVA
Single Phase / Single Phase

Computer Room, Network Center,
Communication System,
Automation Control System and
Other Critical Systems



- High Frequency and Double Conversion On-line Technology
- Fully Digitized Microprocessor Control
- Wide Input Voltage Range
- LCD Display
- Cold Start
- Parallel Operation Up to 3 Units
- Advanced Battery Management
- Automatic Battery Charge in UPS Off Mode
- Lightning, Surge, Short Circuit and Overload Protection
- Fan Speed Auto Control When Loads Varies
- Optional Extension Battery Pack
- EMI/RFI Noise Filter
- RS232 Com. Port With Monitoring Software
- Optional SNMP Card Slot

- 1 RS232
- 2 Fan
- 3 Input Breaker
- 4 Terminal Block
- 5 SNMP Slot
- 6 Parallel Port
- 7 Battery Socket
- 8 Maintenance Switch
- 9 Active Wheel



- 1 LCD
- 2 ON/OFF Button
- 3 Self-Test / Silence Button
- 4 Scroll Button
- 5 Normal
- 6 Alarm
- 7 Abnormal



6kVA • 10kVA

| MODEL | | | |
|--|---|-------------------------|-------------|
| Capacity | 6kVA / 4.2kW | 10kVA / 7kW | |
| INPUT | | | |
| Voltage Range | 176 ±5VAC~276 ±5VAC | | |
| Frequency Range | 46~54Hz ±0.5Hz or 56~64Hz ±0.5Hz Auto Sensing | | |
| Phase | Single Phase | | |
| Power Factor | ≥ 0.98 | | |
| OUTPUT | | | |
| Voltage Range | 220/230Vac ±1% | | |
| Phase | Single Phase | | |
| Frequency Range | Synchronized With the Utility on AC Mode; 50Hz/60Hz ±0.2% On Battery Mode | | |
| THD (Linear Load) | <2% | | |
| THD (Non-Linear Load) | <6% | | |
| Line Mode | 105%~130%, 10min Turn To Bypass Mode; >130% 1s Turn to Bypass Mode | | |
| Crest Factor | 3:1 (max) | | |
| Short Circuit Protection | 5 Cycles Turn off Inverter; Not Transfer to Bypass, Provide Alarm (AC Mode) | | |
| | 5 Cycles Turn off Inverter; Provide Alarm (Battery Mode) | | |
| | Input Fuse Blown or Breaker Action (Bypass Mode) | | |
| Waveform | Pure Sine Wave | | |
| Transfer Time | 0ms | | |
| Efficiency | ≥ 88% | | |
| BATTERY | | | |
| Model | 12V Sealed Lead Acid Maintenance Free | | |
| DC Voltage | 240V DC | | |
| Configuration | 20×12V/7AH | | |
| Backup Time (Half Load) | 20min | | 13min |
| Backup Time (Full Load) | 7min | | 5min |
| Charge Current (Standard Unit) | 1A | | |
| Charge Current (Long Time Unit) | 5A | | |
| Recharge Time | 90% Capacity After 8hrs Charging | | |
| COMMUNICATION INTERFACE | | RS232 ; SNMP (Optional) | |
| Parallel Port | Parallel Availability For Redundancy And Load Sharing up to Three Units | | |
| LCD Indication | 1.Input Voltage / Frequency, Battery Voltage, Output Voltage / Frequency, Load Watt/VA Value and Percent, Inverter Temperature 2.Operation Mode Such as "On-line", "On batt", or "On bypass" | | |
| LED Indication | 1. Green LED for Normal Operation, 2. Yellow LED for Warning Condition, 3. Red LED For Abnormal Operation | | |
| Noise Level | <55dB | | |
| ENVIRONMENT | | | |
| Temperature | 0~40°C | | |
| Humidity | 0%~95% (Non-Condensing) | | |
| Altitude | <1500m | | |
| Storage Temperature | -40~50°C | | |
| OTHER | | | |
| Standard Unit Net / Gross Weight (kg) | 89/104 | 89/104 | 92/107 |
| Long Time Unit Net / Gross Weight (kg) | 34/48 | 22/25 | 36/51 |
| Dimension (W×D×H) (mm) | 270×570×720 | 440×656×176 | 270×570×720 |
| Packing (W×D×H) (mm) | 370×670×940 | 580×790×336 | 370×670×940 |

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