

POWERPACK SES SERIES

6-10 kVA **1:1**
PHASE

ONLINE UPS



HOME/OFFICE



EMERGENCY



MEDICAL



INDUSTRY



DATA CENTER



TRANSPORT



UPS ONLINE



TOWER



POWER FACTOR



SERVICE

FEATURES

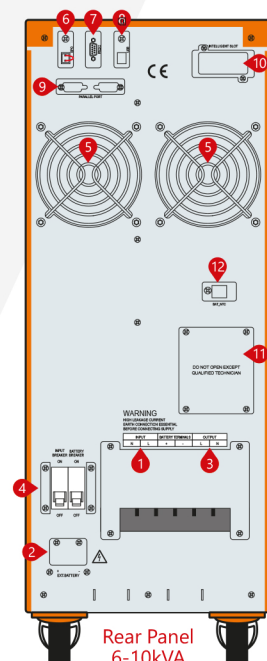
- High Frequency and True Double-Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Wide Input Voltage Range (110~300V)
- Output Power Factor 0.9
- Cold Start
- Auto Sensing Frequency
- ECO Mode Operation for Energy Saving
- Selectable Output Voltage via LCD
- 50Hz/60Hz Frequency Converter Mode Available
- Selectable Battery Low Voltage via LCD
- Power-On Self Test
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatically Charging Battery at UPS Off Mode
- Fan Speed Auto Control when Load Varies
- Standard RS232 Communication Port
- USB/SNMP Communication Port (Optional)
- Emergency Power Off (EPO) (Optional)
- Extension Battery Bank (Optional)
- Manual Bypass
- N+X Redundancy Parallel (Optional)

CERTIFICATES



DETAILS

1. AC Input
2. DC Input
3. Outlet
4. Breaker
5. Fan
6. EPO
7. RS232
8. USB (Optional)
9. Parallel Card (Optional)
10. SNMP/AS400 (Optional)
11. Manual Bypass
12. BAT_NTC (Optional)



Rear Panel
6-10kVA

MODEL		
Power Watt		
6kVA / 5400W		10kVA / 9000W
INPUT		
Related Voltage		
208V / 220V / 230V / 240 VAC		
Voltage Range		
Half Load (110-300) ±5 VAC, Full Load (160-300) ±5 VAC		
Frequency		
40 ~ 70 Hz (Auto Sensing)		
Power Factor		
≥0.99		
Bypass Voltage Range		
160V - Rated Output Voltage +32V		
OUTPUT		
Voltage Range		
208V / 220V / 230V / 240 VAC (Setting Available via LCD)		
Voltage Regulation		
±1%		
Frequency		
45 ~ 55 Hz or 55 ~ 65 Hz (Synchronized Range); 50 / 60 Hz ±0.1 Hz (Battery Mode)		
Waveform		
Pure Sine Wave		
Crest Factor		
3:1		
Harmonic Distortion		
≤2% (Linear Load); ≤5% (Non-Linear Load)		
Transfer Time		
AC Mode to Battery Mode: 0ms Inverter Mode to Bypass Mode: 0ms		
Overload Capability		
105% ~ 125%: Transfer to Bypass after 90s 125% ~ 150%: Transfer to Bypass after 15 sec >150%: Transfer to Bypass after 50ms		
EFFICIENCY		
AC Mode		
≥92%		
ECO Mode		
≥98%		
BATTERIES		
DC Voltage		
192V-240V		
Inbuilt Battery		
16-20 x 7-9Ah		
Charge Current	Standard Model	1A
	Long Time Model	1A / 3.5A / 7A
Typical Recharge Time		
8 hours Recover to 90% Capacity		
ALARMS		
Utility Failure		
Beep / 4sec		
Low Battery		
Beep / 1sec		
Overload		
Beep Twice / 1sec		
UPS Fault		
Long Beep		
ENVIRONMENT		
Humidity		
20-90% RH @ 0-40°C (Non-Condensing)		
Noise Level		
≤50 dB (1m)		
MANAGEMENT		
RS232 (Standard)/USB(Optional)		
Supports Windows® 98/2000/2003/XP/Vista/2008/Windows® 7/8/10		
SNMP (optional)		
Power Management from SNMP Manager and Web Browser		
DIMENSIONS & WEIGHT		
Dimension WxDxH (mm)		
262 x 650 x 735		
Packaging Dimension WxDxH (mm)		
440 x 720 x 940		
Net Weight (kg)		70.8
64.1		
Gross Weight (kg)		78.9
72.2		

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