

ONLINE UPS
10-20kVA
Three Phase / Single Phase

Powerpack SE 3/1 Series

Servers and Other
Networking Equipment



- High Frequency and True Double-Conversion
- DSP Digital Control Technology
- Wide Input Voltage Range (110V-300V)
- Output Power Factor 0.9
- Optimized Battery Configuration: 192V/240V
- Cold Start
- Frequency Adaptive
- ECO Mode Operation for Energy Saving
- 50Hz/60Hz Frequency Converter Mode
- Selectable Output Voltage Via LCD
- Selectable Battery Shutdown Voltage (EOD) Via LCD
- Selectable Input Mode Via LCD:3/1
- Automatically Diagnose When Starts
- 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/USB Communication Port
- Optional Emergency Power Off (EPO)
- Optional RS485/SNMP/AS400 Communication Port
- Optional Extension Battery Bank
- Optional Battery Temperature Compensation
- Optional Built-in Isolation Transformer
- Optional Manual Bypass
- Optional N+X Redundancy Parallel

- 1 AC Input
- 2 Modem/Tel/Fax
- 3 Output
- 4 Fan
- 5 RS232
- 6 USB
- 7 EPO
- 8 Manual Bypass
- 9 Intelligent Slot
- 10 Breaker
- 11 Parallel Port
- 12 BAT_NTC



10kVA • 15kVA • 20kVA

MODEL			
Capacity	10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW
INPUT			
Rated Voltage	3/1 : 260V/365V/380V/400V/415VAC; 1/1: 208V / 210V / 220V / 230V/240VAC (Set up by LCD Display)		
Voltage Range	3/1 : Half Load (190-520) ±5VAC, Full Load (277-520) ±5VAC 1/1 : Half Load (110-300) ±5VAC, Full Load (160-300) ±5VAC		
Frequency	40-70Hz ±0.5% (Auto Sensing)		
Power Factor	3/1: ≥0.95; 1/1: ≥0.99		
BYPASS			
Voltage Range	160V-Rated Output Voltage +32V		
Frequency	50/60Hz ±5Hz		
OUTPUT			
Voltage	208V/210V/220V/230V/240VAC Setting Available Via LCD		
Voltage Regulation	±1%		
Frequency	Synchronized with utility on AC Mode; 50/60 ±0.1 Hz on 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 Model to Bypass Mode:0ms		
Overload Capability	105%-125%: Transfer to Bypass After 3mins; 125%-150%: Transfer to Bypass After 30s; >150%: Transfer to Bypass After 100ms		
EFFICIENCY			
AC Mode	≥93%		
Battery Mode	≥92%		
ECO Mode	≥98%		
BATTERY			
DC Voltage	192V/240VDC		
Inbuilt Battery of Standard Model	16/20*9Ah		No
Charge Current	Standard Model	1A	No
	Long Time Model		7A
Typical Recharge Time	8 Hours Recover to 90% Capacity		
ALARM			
Utility Failure	Beep/4s		
Battery Low	Beep/1s		
Overload	Beep Twice/1s		
UPS Fault	Long Beep		
ENVIRONMENT			
Humidity	20~90% RH @ 0~40°C (Non-Condensing)		
Noise Level	≤58dB (1m)		≤60dB (1m)
MANAGEMENT			
Standard RS-232, Optional USB	Supports Windows 98/2000/2003/XP/Vista/2008/Windows7/8		
Optional SNMP	Power Management From SNMP Manager and Web Browser		
PHYSICAL			
Dimension (WxDxH) (mm)	262 x 580 x 455(H), 262 x 580 x 732 (S)		262 x 580 x 628(H)
Packing Dimension (WxDxH) (mm)	355 x 682 x 615(H), 359 x 687 x 822 (S)		359 x 687 x 717(H)
Net Weight (kg)	25.5 (H), 74.0 (S)	38.5 (H)	39.0 (H)
Gross Weight (kg)	29.0 (H), 83.5 (S)	47.0 (H)	47.5 (H)

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S means standard model, H means long back up time model.