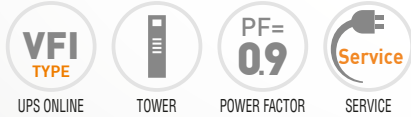


POWERPACK SE SERIES

10/15/20 kVA

3:1
PHASE

ONLINE UPS



UPS ONLINE

TOWER

POWER FACTOR

SERVICE



HOME/OFFICE

EMERGENCY

MEDICAL

INDUSTRY

DATA CENTER

TRANSPORT

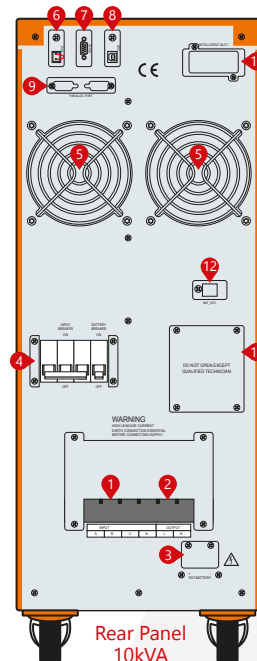
FEATURES

- 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
- Optimized Battery Configuration: 192V / 240V
- Cold Start
- Auto Sensing Frequency
- ECO Mode Operation for Energy Saving
- 50Hz/60Hz Frequency Conversion Mode
- Selectable Output Voltage via LCD
- Selectable Battery Shutdown Voltage (Eod) via LCD
- Selectable Input Mode via LCD (3:1 or 1:1)
- Power-On Self Test
- Advanced Battery Management (ABM)
- Short Circuit and Overload Protection
- Automatically Charging in Off Mode
- Fan Speed Auto Control when Load Temperature Varies
- Generator Compatible
- Standard RS232/USB Communication Port
- Standard Emergency Power Off (EPO)
- RS485/SNMP/AS400 Communication Port (Optional)
- Extension Battery Bank (Optional)
- Manual Bypass
- N+X Redundancy Parallel (Optional)

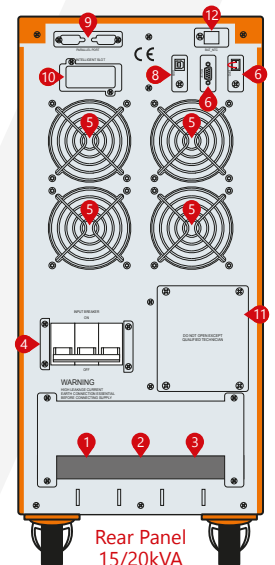


DETAILS

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



Rear Panel
10kVA



Rear Panel
15/20kVA



MODEL				
Power Watt		10kVA / 9kW	15kVA / 13.5kW	20kVA / 18kW
INPUT				
Related Voltage		3 : 1 : 360V / 380V / 400V / 415 VAC 1 : 1 : 208V / 220V / 230V / 240 VAC (Settable via LCD)		
Voltage Range		3 : 1 : Half Load (190 ~ 520) ±5 VAC, Full Load (277 ~ 520) ±5 VAC		
Frequency		40 ~ 70 Hz (Auto Sensing)		
Power Factor		3 : 1 ≥ 0.95; 1 : 1 ≥ 0.99		
BYPASS				
Voltage Range		160V Rated Output Voltage +32V		
Frequency		50 / 60 Hz ±5 Hz		
OUTPUT				
Voltage Range		208V / 220V / 230V / 240 VAC (Settable via LCD)		
Voltage Regulation		±1%		
Frequency		Synchronized with Utility in Mains Mode; 50 / 60 ±0.2 Hz in Battery Mode		
Waveform		Sinusoidal		
Crest Factor		3:1		
Harmonic Distortion		≤2% (Linear Load); ≤5% (Non-Linear Load)		
Transfer Time		0 ms		
Overload Capability		105% ~ 125%: Transfer to Bypass in 3min 125% ~ 150%: Transfer to Bypass in 30sec >150%: Transfer to Bypass in 1sec		
EFFICIENCY				
Mains Mode		≥92%		
Battery Mode		≥91%		
ECO Mode		≥98%		
BATTERIES				
DC Voltage		192 VDC / 240 VDC		
Inbuilt Battery		20 x 7Ah (16 Opt.)	-	-
Charge Current	Standard Model	3.5A	-	-
	Long Time Model		1A / 3.5A / 7A	
Recharge Time		8 hour		
ALARMS				
Utility Failure		Beep / 4sec		
Low Battery		Beep / 1sec		
Overload		Beep Twice / 1sec		
UPS Fault		Long Beep		
ENVIRONMENTAL				
Humidity		20-90% RH @ 0-40°C (Non-Condensing)		
Noise Level		≤55 dB (1m)	≤60 dB (1m)	
COMMUNICATION				
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				
		10kVA	15kVA	20kVA
Dimensions WxDxH (mm)		262 x 580 x 732 (S)	262 x 580 x 628 (H)	
Packaging Dimensions WxDxH (mm)		359 x 687 x 937 (S)	359 x 687 x 832 (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)

* (S) means standard model, (H) means long time model.

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