

POWERPACK SE SERIES

10-15-20 kVA

3:1
PHASE

ONLINE UPS



HOME/OFFICE



EMERGENCY



MEDICAL



INDUSTRY



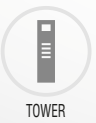
DATA CENTER



TRANSPORT



UPS ONLINE



TOWER



POWER FACTOR



SERVICE



FEATURES

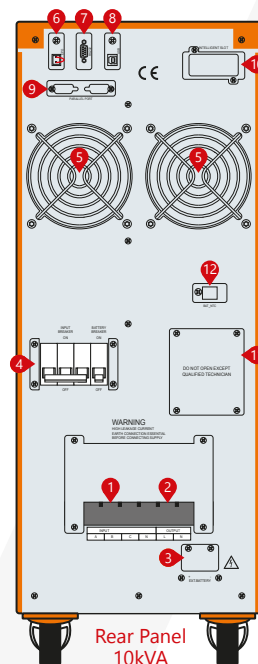
- High Frequency and True Double-Conversion
- DSP (Digital Signal Processors) Technology
- Input Power Factor Correction (PFC)
- Wide Input Voltage Range (110~300V)
- Output Power Factor 0.9
- Optimized Battery Configuration: 192V / 240V
- Cold Start
- Auto Sensing Frequency
- ECO Mode Operation for 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
- 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)

CERTIFICATES

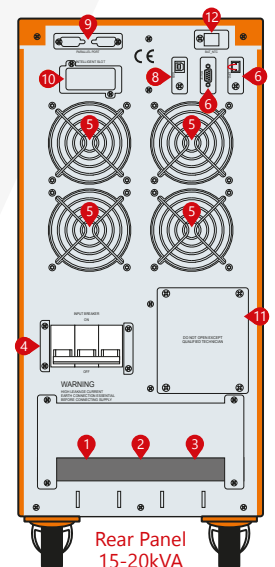


DETAILS

- | | | |
|-------------|----------|-----------------------------|
| 1. AC Input | 5. Fan | 9. Parallel Card (Optional) |
| 2. DC Input | 6. EPO | 10. SNMP/AS400 (Optional) |
| 3. Outlet | 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.) | 20 x 9Ah (16 Opt.) | 20 x 9Ah (16 Opt.) |
| Charge Current | Standard Model | 1A | |
| | 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 | | |
| 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 | | |
| ENVIRONMENT | | | |
| Humidity | 20-90% RH @ 0-40°C (Non-Condensing) | | |
| Noise Level | ≤55 dB (1m) | ≤60 dB (1m) | |
| DIMENSIONS & WEIGHT | | | |
| Dimension WxDxH (mm) | 262 x 580 x 732 (S) | 262 x 580 x 628 (H) | |
| Packaging Dimension 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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