

# Powerpack 3300 Series

ONLINE UPS  
10-20kVA  
Three Phase / Three Phase

Servers and Other  
Networking Equipment



- Online-Double Conversion
- Output Transfer Time is 0ms
- PFC Technology
- Full Digital Control (DSP)
- Output Power Factor: 0.9
- Input Current Harmonic: 3%
- ECO Function
- Charging/Rectifier/Inverter Fully Digital Control Technology
- Optimization Battery Group, The Quantity of Battery: 16/18/20 Pieces (Optional)
- Wide Input Voltage Range: 208-478 Vac
- Wide Input Frequency Range: 45-66 Hz
- DC Start
- Communication Port: USB/RS232/RS485/Parallel Port/Dry Contact
- Options: SNMP Card/Relay Card
- LCD/LED Double Display
- Intelligent Charging Management
- EPO Function
- Common Battery Group
- The Output Can Be Meet 100% Unbalanced Load

10kVA • 15kVA • 20kVA

| MODEL                      |           |                                                                                                              |                                                                    |              |
|----------------------------|-----------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------|
| Capacity                   |           | 10kVA / 9kW                                                                                                  | 15kVA / 13.5kW                                                     | 20kVA / 18kW |
| INPUT                      |           |                                                                                                              |                                                                    |              |
| Nominal Voltage            |           | 380/400/415Vac, (3Ph+N+PE)                                                                                   |                                                                    |              |
| Operating Voltage Range    |           | 208-478Vac                                                                                                   |                                                                    |              |
| Operating Frequency Range  |           | 50Hz:45-55Hz;60Hz:54-66Hz (Auto Sensing)                                                                     |                                                                    |              |
| Power Factor               |           | ≥0.99                                                                                                        |                                                                    |              |
| Bypass Voltage Range       |           | Max. Voltage:220V:+25% (Optional +10%, +15%, +20%)                                                           |                                                                    |              |
|                            |           | 230V: +20% (Optional +10%, +15%)                                                                             |                                                                    |              |
|                            |           | 240V: +15% (Optional +10%)                                                                                   |                                                                    |              |
|                            |           | Min. Voltage:-45% (Optional -20%, -30%)                                                                      |                                                                    |              |
| Bypass Frequency Range     |           | Frequency Protection Range ±10%                                                                              |                                                                    |              |
| ECO Range                  |           | Same as Bypass                                                                                               |                                                                    |              |
| Harmonic Distortion (THDi) |           | ≤3% (100% non-linear load)                                                                                   |                                                                    |              |
| OUTPUT                     |           |                                                                                                              |                                                                    |              |
| Output Voltage             |           | 380/400/415Vac (3Ph+N+PE)                                                                                    |                                                                    |              |
| Power Factor               |           | 0.9                                                                                                          |                                                                    |              |
| Voltage Regulation         |           | ±1%                                                                                                          |                                                                    |              |
| Frequency                  | Line Mode | ±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency (optional)                                                   |                                                                    |              |
|                            | Bat. Mode | 50/60 (±0.1) Hz                                                                                              |                                                                    |              |
| Crest Factor               |           | 3:1                                                                                                          |                                                                    |              |
| Harmonic Distortion (THDv) |           | ≤2% with linear load                                                                                         |                                                                    |              |
|                            |           | ≤5% with non-linear load                                                                                     |                                                                    |              |
| Efficiency                 |           | 93.5%                                                                                                        | 94.5%                                                              |              |
| BATTERY                    |           |                                                                                                              |                                                                    |              |
| Battery Voltage            |           | Standard Unit: ±120Vdc (20 pcs)                                                                              | Standard Unit: ±120Vdc (20 pcs x 2 group)                          |              |
|                            |           | Long Run Unit: ±96Vdc/±108 Vdc/<br>±120Vdc (16/18/20 pcs optional)                                           | Long Run Unit: ±96Vdc/±108 Vdc/<br>±120Vdc (16/18/20 pcs optional) |              |
|                            |           |                                                                                                              |                                                                    |              |
| Backup Time                |           | Long Run Unit Depends on the capacity of external batteries.                                                 |                                                                    |              |
| Charge Current             |           | 1.35/2.7/4.05A (10/15/20/30kVA); Long run unit Max. 10A                                                      |                                                                    |              |
| SYSTEM FEATURES            |           |                                                                                                              |                                                                    |              |
| Transfer Time              |           | Mains to Battery:0ms; Mains to Bypass:0ms                                                                    |                                                                    |              |
| Overload                   |           | Load ≤110%: 60 min; ≤125%: last 10 min; ≤150%: last 1 min; >150% turn to bypass mode                         |                                                                    |              |
| Short Circuit              |           | hold whole system                                                                                            |                                                                    |              |
| Communication Interface    |           | USB, RS232, RS485, Parallel port, Dry Contact, Intelligent slot, SNMP card (optional), Relay card (optional) |                                                                    |              |
| ENVIRONMENTAL              |           |                                                                                                              |                                                                    |              |
| Operating Temperature      |           | 0°C~40°C                                                                                                     |                                                                    |              |
| Storage Temperature        |           | -25°C~55°C                                                                                                   |                                                                    |              |
| Humidity Range             |           | 0~95% (non-condensing)                                                                                       |                                                                    |              |
| Altitude                   |           | < 1500m                                                                                                      |                                                                    |              |
| Noise Level                |           | < 55 dB                                                                                                      | < 58 dB                                                            |              |
| PHYSICAL                   |           |                                                                                                              |                                                                    |              |
| Dimension (WxDxH) (mm)     |           | 250 x 828 x 868                                                                                              |                                                                    |              |
| Net Weight (kg)            |           | 115/57                                                                                                       | 170/63                                                             | 171/64       |
| STANDARDS                  |           |                                                                                                              |                                                                    |              |
| Safety                     |           | IEC/EN62040-1, IEC/EN60950-1                                                                                 |                                                                    |              |
| EMC                        |           | IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4                                                      |                                                                    |              |
|                            |           | IEC61000-4-5, IEC61000-4-6, IEC61000-4-8                                                                     |                                                                    |              |

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