

# POWER SOLID ONLINE UPS

PS-POU200K3#50BC0KR

# 200 KVA

## Features

- ▶ High reliability design
- ▶ Power saving
- ▶ Parallel redundancy function
- ▶ Flexible battery configuration
- ▶ Strong load capacity
- ▶ Compatible with generator
- ▶ LBS function
- ▶ Intelligent management



## APPLICATIONS



FINANCE



TELECOM



MEDICAL



INDUSTRIAL

## Technical Specifications

|                                                                                    |             |                                                                                                                                                                                                                                                                       |                                                           |
|------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| MODEL                                                                              |             | PS-POU200K3#50BC0KR                                                                                                                                                                                                                                                   |                                                           |
| Capacity(VA/Watts)                                                                 |             | 200KVA / 200KW                                                                                                                                                                                                                                                        |                                                           |
| INPUT                                                                              |             |                                                                                                                                                                                                                                                                       |                                                           |
| Nominal voltage                                                                    |             | 380/400/415Vac (3Ph+N+PE)                                                                                                                                                                                                                                             |                                                           |
| Operating voltage range                                                            |             | 138~485Vac for 40% load; 305~485Vac for full-load                                                                                                                                                                                                                     |                                                           |
| Operating frequency range                                                          |             | 40~70Hz (50/60Hz Auto-Sensing)                                                                                                                                                                                                                                        |                                                           |
| Power factor                                                                       |             | ≥0.99                                                                                                                                                                                                                                                                 |                                                           |
| Harmonic distortion (THDi)                                                         |             | ≤3% Linear load                                                                                                                                                                                                                                                       |                                                           |
| 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%)                                                                                                                                                                                                                                  |                                                           |
| Frequency protection range                                                         |             | 50/60Hz±10%                                                                                                                                                                                                                                                           |                                                           |
| Generator input                                                                    |             | Support                                                                                                                                                                                                                                                               |                                                           |
| OUTPUT                                                                             |             |                                                                                                                                                                                                                                                                       |                                                           |
| Output voltage                                                                     |             | 380/400/415Vac (3Ph+N+PE)                                                                                                                                                                                                                                             |                                                           |
| Voltage regulation                                                                 |             | ±1%                                                                                                                                                                                                                                                                   |                                                           |
| Power factor                                                                       |             | 1.0                                                                                                                                                                                                                                                                   |                                                           |
| Output frequency                                                                   | Line Mode   | ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)                                                                                                                                                                                                                |                                                           |
|                                                                                    | Bat. Mode   |                                                                                                                                                                                                                                                                       |                                                           |
| Crest factor                                                                       |             | (50/60±0.2%)Hz                                                                                                                                                                                                                                                        |                                                           |
| Harmonic distortion (THDv)                                                         |             | 3:1                                                                                                                                                                                                                                                                   |                                                           |
|                                                                                    |             | ≤2% with linear load<br>≤4% with non linear load                                                                                                                                                                                                                      |                                                           |
| Overload                                                                           | AC Mode     | Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150%:turn to bypass immediately                                                                                                                                                                          | Load≤110%: last 60min, ≤125%: last 1min, >125%: last 1.2s |
|                                                                                    | Bypass Mode | 135% overload long time; >1000% overload 100ms                                                                                                                                                                                                                        |                                                           |
| EFFICIENCY                                                                         |             |                                                                                                                                                                                                                                                                       |                                                           |
| Efficiency                                                                         |             | up to 95.5%                                                                                                                                                                                                                                                           |                                                           |
| BATTERY                                                                            |             |                                                                                                                                                                                                                                                                       |                                                           |
| Battery voltage                                                                    |             | Optional Voltage: ±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional); 360Vdc~600Vdc (30~50pcs, 30pcs default, 36~50pcs output power factor 1.0; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8) |                                                           |
| Charge Current (charge current can be set according to battery capacity installed) |             | 60A Max.                                                                                                                                                                                                                                                              |                                                           |
| SYSTEM FEATURES                                                                    |             |                                                                                                                                                                                                                                                                       |                                                           |
| Transfer time                                                                      |             | Utility to Battery: 0ms; Utility to Bypass: 0ms                                                                                                                                                                                                                       |                                                           |
| Backfeed protection                                                                |             | Support                                                                                                                                                                                                                                                               |                                                           |
| Alarm                                                                              |             | Overload, utility abnormal, UPS fault, battery low, etc                                                                                                                                                                                                               |                                                           |
| Protection                                                                         |             | Shortcircuit, overload, over temperature, battery low, fan fault alarm                                                                                                                                                                                                |                                                           |
| Remote LCD                                                                         |             | Support                                                                                                                                                                                                                                                               |                                                           |
| Communication                                                                      |             | USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)                                                                                                                                                     |                                                           |
| ENVIRONMENTAL                                                                      |             |                                                                                                                                                                                                                                                                       |                                                           |
| Operating temperature                                                              |             | 0 °C~40 °C                                                                                                                                                                                                                                                            |                                                           |
| Storage temperature                                                                |             | 25 c~55 c(No battery)                                                                                                                                                                                                                                                 |                                                           |
| Humidity range                                                                     |             | 0~95% (Non condensing)                                                                                                                                                                                                                                                |                                                           |
| Altitude                                                                           |             | <1500m, derating required when>1500m                                                                                                                                                                                                                                  |                                                           |
| Noise level                                                                        |             | <66dB                                                                                                                                                                                                                                                                 |                                                           |
| PHYSICAL                                                                           |             |                                                                                                                                                                                                                                                                       |                                                           |
| Dimension W×D×H (mm)                                                               |             | 442 x 850 x 1200                                                                                                                                                                                                                                                      |                                                           |
| Net weight (kg)                                                                    |             | 220                                                                                                                                                                                                                                                                   |                                                           |
| STANDARDS                                                                          |             |                                                                                                                                                                                                                                                                       |                                                           |
| Safety                                                                             |             | IEC/EN62040-1, IEC/EN62477-1                                                                                                                                                                                                                                          |                                                           |
| EMC                                                                                |             | IEC/EN62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-11)                                                                                                                                              |                                                           |