

## PS-POU10K31#20BC0A

### Features:

- >> True double-conversion
- >> DSP technology guarantees high performance
- >> Output power factor 0.9
- >> Wide input voltage range (110-300 VAC)
- >> Active power factor correction in all phases
- >> Built-in phase auto adapt function simplifies wire installation
- >> 50Hz/60Hz frequency converter mode
- >> ECO mode operation for energy saving
- >> Emergency power off function (EPO)
- >> Maintenance bypass available



### Applications

**FINANCE****MEDICAL****DATA CENTER****INDUSTRIAL**

## General Features

|                                    |                    |                                                                                                    |  |
|------------------------------------|--------------------|----------------------------------------------------------------------------------------------------|--|
| Model                              |                    | PS-POU10K31#20BC0A                                                                                 |  |
| Phase                              |                    | Three-Phase in / Single-Phase out                                                                  |  |
| Capacity (VA / Watt)               |                    | 10000VA / 9000W                                                                                    |  |
| Input                              |                    |                                                                                                    |  |
| Nominal Voltage                    |                    | 3 x 400 VAC (3Ph+N)                                                                                |  |
| Voltage Range                      |                    | 190-520 VAC (3-phase) @ 50% load: 305-478 VAC (3-phase) @ 100% load                                |  |
| Frequency Range                    |                    | 46- 54Hzor 56-64Hz                                                                                 |  |
| Power Factor                       |                    | 0.99@ 100% Load                                                                                    |  |
| THDi                               |                    | < 6%@ 100% load                                                                                    |  |
| Output                             |                    |                                                                                                    |  |
| Output Voltage                     |                    | 208/220/230/240 VAC                                                                                |  |
| AC Voltage Regulation (Batt. Mode) |                    | ±1%                                                                                                |  |
| Frequency Range                    |                    | 46 ~ 54 Hz or 56 ~ 64Hz                                                                            |  |
| Frequency Range (Batt. Mode)       |                    | 50 Hz± 0.1 Hz or 60Hz± 0.1 Hz                                                                      |  |
| Current Crest Ratio                |                    | 3:1 (max.)                                                                                         |  |
| Harmonic Distortion                |                    | ≤2 % THO (Linear Load ≤5 % THD (Non-linear Load)                                                   |  |
| Transfer Time                      | AC to Battery      | Zero                                                                                               |  |
|                                    | Inverter to Bypass | Zero                                                                                               |  |
| Wave Form                          |                    | Pure Sine Wave                                                                                     |  |
| Efficiency                         |                    |                                                                                                    |  |
| AC Mode                            |                    | 91.5%                                                                                              |  |
| Battery Mode                       |                    | 97%                                                                                                |  |
| ECO Mode                           |                    | 87%                                                                                                |  |
| Battery                            |                    |                                                                                                    |  |
| Battery Type                       |                    | 12V / 9AH                                                                                          |  |
| Numbers                            |                    | 20                                                                                                 |  |
| Typical Recharge Time              |                    | 9 Hours recover to 90% capacity                                                                    |  |
| Charging Current                   |                    | 1A                                                                                                 |  |
| Charging Voltage                   |                    | 273 VDC ± 1 % (Based on 20pcs batteries)                                                           |  |
| Indicators & Alarm                 |                    |                                                                                                    |  |
| LCD Display                        |                    | UPS Status, Load Level, Battery Level, Input/Output Voltage, Discharge Timer, and Fault conditions |  |
| Battery Mode                       |                    | Sounding every 4 seconds                                                                           |  |
| Low Battery                        |                    | Sounding every second                                                                              |  |
| Over Load                          |                    | Sounding twice every second                                                                        |  |
| Fault                              |                    | Continuously sounding                                                                              |  |
| Physical                           |                    |                                                                                                    |  |
| Dimension, D x W x H(mm)           |                    | 592 X 250 X 576                                                                                    |  |
| Net Weight (kgs)                   |                    | 83                                                                                                 |  |
| Environment                        |                    |                                                                                                    |  |
| Humidity                           |                    | 0-95% RH @0-40°C (non-condensing)                                                                  |  |
| Noise Level (dB)                   |                    | >60dB @ Meter                                                                                      |  |
| Management                         |                    |                                                                                                    |  |
| Smart RS-232 / USB                 |                    | Support Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10/11 Linux, Unix, and MAC                  |  |
| Optional SNMP                      |                    | Power management from SNMP manager and web browser                                                 |  |