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PO10000R

**POER PO10000R SMART-ONLINE UPS 1:1 PHASE, TOWER 10KVA/10000W,
230V/70HZ**

GENERAL INTRODUCTION

This UPS is specially designed for Personal Computer with multi -functions. Its light weight, compact design perfect fits to the limited working environment. The line of UPS is equipped with two boost and one buck AVR to stabilize wide input voltage range. It is also built-in with DC start function. This function enables the UPS to be started up without AC power supply. Although it's a small UPS, The main features of UPS are listed below:

FEATURES

- VRLA Battery
- Wide input voltage range: 110~300Vac
- Dual input source (Optional)
- Generator Compatible
- Support customized common battery banks, when UPSs are used in parallel and only for VRLA version
- 4U Standard version is available with external battery port
- Programmable receptacles
- The 3.5 touchscreen supports VRLA battery versions, the three segment LCDs are compatible with VRLA version only.
- maximum charging current up to 15A MAX.
- Cold start function
- Dual Intelligent card slot for touchscreen version
- PDU with maintenance bypass switch
- Intelligent fan speed regulation
- Low noise design, less than 50dB
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and over discharge, output low voltage and fan fault alarm

TECHNICAL SPECIFICATIONS

Capacity (VA/W) 10000/10000

INPUT

Nominal voltage (Vac) 230
 Operating Voltage Range (Vac) 110~300 (110~300 @ 50% load/176~300@100% load)
 Power Factor ≥ 0.99
 Input Connection HW terminal (L+N+G)
 Harmonic Distortion (THD) $< 2\%$
 Bypass Voltage Range (Vac)
 Max.voltage: 208/220: +25% (Optional +10%, +15%, +20%)
 230: +20% (Optional +10%, +15%)
 240: +15% (Optional +10%)
 Min.voltage: -45% (Optional -10%, -20%, -30%)

OUTPUT

Nominal voltage (Vac) 208/220/230 (Default 240)
 Voltage Regulation $\pm 1\%$
 Power Factor 1.0
 Output Connection Programmable: C19*2+C13*3; Non-programmable: HW terminal (L+N+G)
 Output Frequency (Hz) Online mode: $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency (Optional); Battery mode: 50/60 $\pm 0.1\%$
 Crest Factor 3:1
 Harmonic Distortion (THDv) $< 1\%$ Linear load ; $< 3\%$ Non linear load
 Transfer time (ms) AC mode to Bat.mode: 0; Inverter to Bypass: 0
 Waveform Pure Sinewave
 Overload
 Online mode Load $\leq 110\%$, last 60min; $\leq 125\%$, last 10min; $\leq 150\%$, last 1min; $> 150\%$, turn to bypass mode immediately
 Battery mode Load $\leq 110\%$, last 10min; $\leq 125\%$, last 1min; $\leq 150\%$, last 10 second; $> 150\%$, 0.5 second shut down
 Bypass mode 105% \leq load $\leq 130\%$, only overload alarm; $\leq 150\%$, last 10min; $\leq 200\%$, last 1min; $> 200\%$, 0.5 second shut down

EFFICIENCY

Ac Mode Up to 95.5%
 Eco Mode Up to 99%

BATTERY

Battery Voltage (Vdc) VRLA Battery 192 (9Ah)
 Charging current (Max.) (A) 1.35 Default (12, 15 Optional)
 Charging current adapts to the battery type and battery capacity

MANAGEMENT

LED Display Online mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault
 LCD Display Input voltage, Input frequency, Input current, Output voltage, Output frequency, Output current, Load percentage, Battery voltage, Battery charging/discharging current, Ambient temperature & Remaining battery backup time

ENVIRONMENTAL

Operating Temperature (°C) 0~40
 Storage Temperature (°C) -25~55
 Humidity Range 0~95%RH @ 0~40°C (Non condensing)
 Altitude (m) < 1000 , derating required between 1000 to 3000
 Noise Level (dB) < 50

PHYSICAL

Dimension WxDxH (mm) 440×621.5×175 (4U)
 Weight (kg) 67

STANDARDS

Safety EN IEC 62040-1: 2019 + A11:2021
 EMC IEC 62040-2: 2016, EN IEC 62040-2: 2018, C2
 Performance IEC 62040-3: 2021, EN IEC 62040-3: 2021

- ✳ 1. Specifications are subject to change without prior notice
- 2. Data above are typical values for reference only, not as a basis for engineering design
- 3. *Online mode, full load, float charging

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POER PEB610KR EXTERNAL BATTERY PACK

TECHNICAL SPECIFICATIONS

BATTERY SYSTEM

Battery Type	VRLA (Lead acid maintenance free battery)
Typical Battery Recharge Time (hours)	4 (To 90% of full capacity)
Typical Battery Life (years)	3~5, depend on discharging cycle and ambient temperature
System Voltage (Vdc)	240
Battery Quantity (pcs)	1×20
Capacity (Ah)	7/9

PHYSICAL

Dimension WxDxH (mm)	440×681.5×131 (3U)
Weight (kg)	55/65

ENVIRONMENTAL

Operating Environment (°C)	0~40
Humidity Range	0~95%RH @ 0~40°C (Non condensing)
Altitude (m)	<1000, derating required between 1000 to 3000
Noise Level (dB)	<40

STANDARDS

Safety	EN IEC 62040-1: 2019 + A11: 2021; UL 1778: 2014 R4.23, CSA C22.2 NO. 107.3-14 + G11
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