

POWER SOLID **ONLINE UPS**

PS-POU20KR#50BC0KR

20

KVA

Features

- ▶ LCD support Rack/Tower convertible design
- ▶ N+X parallel redundancy, support maximum 4 units in parallel
- ▶ Online double conversion with DSP control
- ▶ Maximum charging current up to 20A (Settable)
- ▶ Dual input source
- ▶ Support 3/3 and 1/3 and 1/1 operation
- ▶ 60/50Hz Frequency converter mode
- ▶ The output can meet %100 unbalanced load
- ▶ RS232, RS485, Parallel, Intelligent Slot (SNMP card/ Relay card (Optional)), BMS (Optional), EPO port, Output port, MAINTAIN-AUXSWS

Technical Specifications

Model		PS-POU20KR#50BC0KR
Capacity		20kVA / 20kW
Input		
Nominal voltage		380/400/415Vac (3Ph+N+PE)
Operating voltage range		220/230/240Vac (L+N+PE)
Operating frequency range		40~70Hz (50/60Hz 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%)
Frequency protection range		50/60Hz±10%
Harmonic distortion (THDy)		≤3% Linear load
Output		
Output voltage		380/400/415Vac (3Ph+N+PE) 220/230/240Vac (L+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	(50/60±0.1%)Hz
Transfer time	AC mode to Bat.mode	0ms
	Inverter to Bypass	0ms
Output waveform		Pure Sinewave
Crest factor		3:1
Harm	Line mode	Load≤110%: last 60min; ≤125%: last 10min; ≤150%: last 1min; ≥150% turn to bypass mode immediately
	Bat. mode	Load≤110%: last 10min; ≤125%: last 1min; ≤150%: last 5s; ≥150% shut down UPS immediately
	Bypass mode	Breaker (Load < 125%, long-term operation)
Efficiency		
Efficiency		up to 95%
Battery		
Battery voltage		+180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs settable)
Charge Current (charge current can be set according to battery capacity installed)		20A Max.
Physical		
Dimension W×D×H (mm)		443 × 580 × 131(3U)
Net weight (kg)		32
ENVIRONMENTAL		
Operating temperature		0 °C~40 °C
Storage temperature		-25 °C~55 °C
Humidity range		0~95%RH @ 0~40°C (Non-condensing)
Altitude		<1500m,derating required when>1500m
Noise level		<58dB
STANDARDS		
Safety		IEC/EN62040-1,IEC/EN62477-1
EMC		IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8
Specifications are subject to change without prior notice.		