

PS-POU20KR#50BC0KR

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 3/1 and 1/1 operation
- >> 50/60Hz 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 port



Applications



FINANCE



Telecom



MEDICAL



DATA CENTER

Technical Specifications

MODEL		PS-POU20KR#50BC0KR
Capacity	20kVA / 20kW	
INPUT		
Nominal voltage	380/400/415Vac (3Ph+N+PE) 220/230/240Vac (L+N+PE)	
Operating voltage range	208~478Vac	
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 (THDi)	≤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		
Overload	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 x 580 x 131(3U)	
Net weight (kg)	32	
ENVIRONMENTAL		
Operating temperature	0℃~40℃	
Storage temperature	-25℃~55℃	
Humidity range	0~95% (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.		