

POWER SOLID ONLINE UPS

PS-POU30K#20B9KR

30 KVA



Features

- ▶ N+X parallel redundancy, support maximum 4 units in parallel
- ▶ Wide input voltage range: 478~208Vac
- ▶ Wide input frequency range 40~70Hz
- ▶ Generator compatible
- ▶ Dual input source (Optional for standard unit)

APPLICATIONS



FINANCE



TELECOM



MEDICAL



INDUSTRIAL

Technical Specifications

MODEL		PS-POU30K#20B9KR
Capacity		30kVA/30kW
INPUT		
Nominal voltage		380/400/415Vac (3Ph+N+PE)
Operating voltage range		305~478Vac (Full load); 208~478Vac (50% load)
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%
ECO range		Same as bypass
Harmonic distortion (THD)		≤3% Linear load
OUTPUT		
Output voltage		380/400/415Vac (3Ph+N+PE)
Voltage regulation		±1%
Power factor		1
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 Bypass	0ms
	Inverter to Bypass	0ms
Output waveform		Pure Sinewave
Crest factor		3:1
Harmonic distortion (THD%)		≤2% Linear load ≤5% Non linear load
Overload	AC mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% immediately turn to bypass
	Bat. mode	≤110% 10min, ≤125% 1min, ≤150% 5s, >150% immediately shut down
BYPASS		
Efficiency		up to 94.5%
BATTERY		
Battery voltage	Standard unit	(±120Vdc(3×20pcs 9Ah) (3×20pcs, 7Ah optional)
Charge Current	Standard unit	4.05A
PHYSICAL		
Dimension W×D×H	Standard unit	250×900×868mm
Net weight	Standard unit	236kg (3×20pcs 9Ah)
ENVIRONMENTAL		
Operating temperature		0~40°C
Storage temperature		-25~55°C(No battery)
Humidity range		0~95% (Non condensing)
Altitude		<1500m, derating required when>1500m
Noise level		≤61dB
STANDARDS		
Safety		IEC/EN 62040-1, IEC/EN 62477-1
EMC		IEC/EN 62040-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-2-2