

The Max Power Pro Series 6 and 10 kVA Rack Mount Uninterruptible Power Supply (UPS) systems are designed to provide robust and reliable power protection for critical equipment in demanding environments. These UPS systems are engineered to handle various applications, including data centers, telecommunication facilities, industrial operations, and commercial buildings. With their unique capability of accepting a 3-phase input and providing a single-phase output, they offer versatility and efficiency for various power needs.



### GENERAL FEATURES

- Online double conversion with DSP control
- Generator compatible
- ECO mode operation for energy saving
- LCD supports Rack/Tower convertible design
- Intelligent fan speed regulation
- Dual input source
- Input current harmonic:<3%
- Support 3/1 and 1/1 operation
- N+X parallel redundancy, support maximum 4 units in parallel
- Self-testing when UPS startup
- 50/60Hz Frequency converter mode
- Cold start
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- Optimization battery group, the quantity of battery: 16/18/20pcs (32~40pcs supportable)
- Multiple communication interface: RS232/RS485/EPO/(Relay card/SNMP card optional)

### SPECIFICATIONS

MODEL		CN53106MP-RM	CN53110MP-RM	
Capacity	kVA	6	10	
	kW	6	10	
Input	Nominal voltage	380/400/415Vac (3PH+N+PE) / 220/230/240Vac (L+N+PE)		
	Operating voltage range	208~478Vac; 120~270Vac		
	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 -10%, -20%, -30%)		
Frequency	Frequency protection range	(50/60±0.1%)Hz		
Output	Output voltage	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		
	Harmonic distortion (THDv)	≤2% Linear load , ≤5% Non linear load		
Overload	AC 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 93.5%		

# MAX-POWER PRO SERIES

## 6/10kVA Online Transformerless Rack Mount UPS



MODEL		CN53106MP-RM	CN53110MP-RM
Battery	Battery voltage	192/216/240Vdc (16/18/20pcs); (16pcs default, 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8); 384/408/432/456/480Vdc (32/34/36/38/40pcs supportable)	
	Charging current	12A (Max.)	14A (Max.)
Physical	Dimension WxDxH (mm)	443x580x131 (3U)	
	Net weight (kg)	27	28
Environmental	Operating temperature	0°C~40°C	
	Storage temperature	-25°C~55°C	
	Humidity range	0~95% (non condensing)	
	Altitude	<1500m, derating required when >1500m	
	Noise level	<53dB at 1 Meter	<55dB at 1 Meter
Standards	IP Rating	IP 20	
	Safety	CE; 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 61000-4-11, IEC 61000-2-2)	

\*Product specifications and appearances are subject to change without prior notice.

### EXTERNAL BATTERY PACK

MODEL		CNBC20240CR	CNBC40240CR
BATTERY SYSTEM			
Battery type	VRLA (Valve Regulated Lead Acid Battery - SMF)		
Typical battery recharging time	6~8 hours (to 90% of full capacity)		
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature		
System voltage	240Vdc		
Battery quantity	1x20 Pcs	2x20 Pcs	
Capacity	9Ah/12V		
PHYSICAL			
Dimension W x D x H (mm)	443x720x131 (3U)	482x861.5x175 (4U)	
Net weight (kg)	58/63	138/154	
ENVIRONMENT			
Operating environment	0°C~40°C		
Relative humidity	0~95% (Non condensing)		
Noise level	<40dB at 1 Meter		

### ORDERING INFORMATION

Part Number	Description
CN53106MP-RM	6kVA Double Conversion Transformer-less Rack Mount UPS (External Battery)
CN53110MP-RM	10kVA Double Conversion Transformer-less Rack Mount UPS (External Battery)
CNBC20240CR	240VDC Rack Mount Battery Pack
CNBC40240CR	240VDC Rack Mount Battery Pack

### COMPATIBLE ACCESSORIES

Part Number	Description
CNS01	SNMP Card
CNRM1020R	Rack Mounting Rail Kit for 10-20kVA RM UPS
CNRM240BPR	Battery Pack Rack Mounting Rail Kit