

MAX-POWER PRO SERIES

15kVA Online Transformerless Rack Mount UPS



Norden's Maxpower Pro Series 15 kVA UPS is an online double conversion UPS that features 3/3, 3/1 operation and a unity output power factor. This model features a convertible rack-tower design and parallel redundancy capabilities, making it ideal for data center applications.



General Features

- LCD support Rack/Tower convertible design
- N+X parallel redundancy, support maximum 4 units in parallel
- Online double conversion with full digital control
- Wide input frequency range 40~70Hz
- Wide input voltage range:208~478Vac
- Input current harmonic:<3%
- Maximum Charging current up to 20A(Settable)
- Dual Input Sources
- ECO mode operation for energy saving
- Support 3/3 , 3/1 and 1/1 operation
- Generator compatible
- Cold Start
- Self-testing when UPS start-up
- 50/60Hz Frequency converter mode
- Intelligent fan speed regulation
- The quantity of battery:30-50pcs is settable

SPECIFICATIONS

| MODEL | | CN5315MP-RM | |
|-----------------|----------------------------|--|--|
| Capacity | kVA | 15 | |
| | kW | 15 | |
| Input | Normal 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%) 240V:+15% (Optional+10%) Min.voltage:-45% (Optional-20%,-30%), 230V:+20% (Optional+10%,+15%) | |
| | ECO range | Same as the bypass | |
| | Generator input | Yes | |
| Output | Rated voltage | 380/400/415Vac (3Ph+N+PE) 220/230/240Vac (L+N+PE) | |
| | Power factor | 1 | |
| | Voltage regulation | ±1% | |
| | Frequency | Line mode | ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) |
| | | Bat. mode | 50/60(±0.1)Hz |
| | Crest factor | 3:1 | |
| | Harmonic distortion (THDv) | ≤2% with linear load, ≤5% with non-linear load | |
| | Efficiency | 94.5% | |
| Output Waveform | Pure Sine Wave | | |
| Battery | Battery Numbers | 30/32/34/36/38/40/42/44/46/48/50pcs with Neutral | |
| | Charging current | 18A Max.(charge current can be set according to battery capacity installed) | |

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|-------------------------|---|---|---|
| System Features | Transfer time | Mains to battery:0ms; Inverter to bypass:0ms | |
| | Overload | Line mode | Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately |
| | | Bypass mode | Breaker (Load < 125%, long-term operation) |
| | Short circuit | Hold whole system | |
| | Overheat | Line mode: Turn to bypass; Backup mode: shut down UPS immediately | |
| | Battery low | Alarm and switch off | |
| | Self-diagnostics | Upon power on and software control | |
| | Battery | Advanced battery management | |
| | Audible & Visual alarms | Line failure, Battery under voltage, Overload, System fault | |
| | LED & LCD display | Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS Fault | |
| LCD display | Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time | | |
| Communication interface | RS232, RS485, Parallel, Intelligent Slot(SNMP card/ Relaycard (Optional)),BMS (Optional),EPO port Output port, MAINTAIN-AUXSWS port | | |
| Environment | Operating temperature | 0~40°C | |
| | Storage temperature | -25~55°C | |
| | Humidity range | 0~95% (Non-condensing) | |
| | Altitude | <1500m | |
| | Noise level | <55dB | |
| | IP Rating | IP 20 | |
| Standards | Safety | CE; 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 | |
| Physical | Dimension WxDxH (mm) | 443 x 580 x 131 | |
| | Net Weight (kg) | 31 | |

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

EXTERNAL BATTERY PACK

| MODEL | | CNBN40480CR |
|---------------------------------|--|-------------|
| 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 | 480Vdc | |
| Battery quantity | 40Pcs | |
| Capacity | 9Ah/12V | |
| PHYSICAL | | |
| Dimension W x D x H (mm) | 443 x 861.5 x 175 | |
| Net weight (kg) | 114/123 | |
| ENVIRONMENT | | |
| Operating environment | 0°C~40°C | |
| Relative humidity | 0~95% (Non condensing) | |
| Noise level | <40dB at 1 Meter | |

ORDERING INFORMATION

| Part Number | Description |
|-------------|---|
| CN5315MP-RM | 15kVA Double Conversion Rack Mount 3/3, 3/1 UPS with TFT Display (External Battery) |
| CNBN40480CR | 480VDC 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 |