

# MAX-POWER PRO SERIES

## 6kVA Online Transformerless UPS



Norden's Maxpower Pro Series 6 kVA UPS is an online double conversion UPS that features a single-phase in both the input and the output, and an output power factor of 0.9. This device is available in both tower-type internal battery and external battery models, providing both long and short backup times.



### General Features

- N+X parallel redundancy, support maximum 4 unit in parallel
- Online double conversion with full digital control
- Selectable output voltage:220/230/240Vac
- Wide input voltage range:110~286Vac
- Maximum charging current up to 10A
- Optimization battery group, the quantity of battery: 16/18/20Pcs (Settable)
- ECO mode operation for energy saving
- Multiple communication interface:RS232 (USB/Dry contact/SNMP card optional)
- Self-testing when UPS start-up
- Generator compatible
- Cold start

### SPECIFICATIONS

MODEL		CN6006MPI, CN6006MPE	
Capacity	VA	6000	
	W	5400	
Input	Normal Voltage	220/230/240Vac	
	Operating voltage range	110~286Vac	
	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%)	
	ECO range	Same as the bypass	
	Generator input	Yes	
Output	Rated voltage	220/230/240Vac	
	Power factor	0.9	
	Voltage regulation	±1%	
	Frequency	Line mode	±1%±2%±4%±5%±10% of the rated frequency
		Bat. mode	50/60(±0.1)Hz
	Crest factor	3:1	
	Harmonic distortion (THDv)	≤2% with linear load, ≤5% with non-linear load	
	Efficiency	>93.5%	
	Output Waveform	Pure Sine Wave	
Battery	Battery voltage	192/216/240Vdc (16/18/20pcs) with Neutral, (Standard unit 240Vdc)	
	Capacity (Standard unit)	7Ah/12V (9Ah/12V optional)	
	Typical recharging time	6~8 hours (to 90% of full capacity)	
	Charging current	1.35A (Standard unit); Long run unit Max. current 10A(charging current can be set according to battery capacity installed)	

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MODEL		CN6006MPI, CN6006MPE	
System Features	Transfer time	Mains to battery:0ms; Inverter to bypass:0ms	
	Overload	Line mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1 min, >150% turn to bypass mode immediately
		Bypass mode	40A(Breaker)
	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, USB, SNMP card(optional), Parallel card, Relay card (optional)	
Environment	Operating temperature	0~40°C	
	Storage temperature	-25~55°C	
	Humidity range	20~95% (Non-condensing)	
	Altitude	<1500m	
	Noise level	<55dB at 1 Meter	
	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,IEC61000-4-11,IEC61000-2-2	
Physical	Dimension W x D x H (mm)	I:191 x 460 x 720 E:191 x 460 x 337	
	Net Weight (kg)	70 12.5	

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

### EXTERNAL BATTERY PACK

MODEL	CNBN06120CT
<b>BATTERY SYSTEM</b>	
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	2x20 Pcs
Capacity	9Ah/12V
<b>PHYSICAL</b>	
Dimension W x D x H (mm)	250 x 619 x 616
Net weight (kg)	122/134
<b>ENVIRONMENT</b>	
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

### ORDERING INFORMATION

Part Number	Description
CN6006MPI	6kVA Online Tower Type UPS with a built-in paralleling board and 16x7Ah Battery (Internal Battery)
CN6006MPE	6kVA Online Tower Type UPS with a built-in paralleling board (External Battery)
CNBN06120CT	240VDC Tower Mount Battery Pack

### COMPATIBLE ACCESSORIES

Part Number	Description
CNS01	SNMP Card

