

# MAX-POWER SERIES

## 10kVA Online Transformerless UPS



Norden's Maxpower Series 10 kVA UPS is an online double conversion UPS that features a single phase in both input and output, and an output power factor of 0.9. This has a tower type design to be used in workstations and critical equipment.



### General Features

- Online double conversion with full digital control
- Wide input voltage range:110~286Vac
- Wide input frequency range
- Input Power factor 0.99 with PFC
- ECO mode operation for energy saving
- Cold start
- Self-testing when UPS start-up
- Generator compatible
- Intelligent fan speed regulation

### SPECIFICATIONS

MODEL		CN7010MPI/CN7010MPE	
Capacity	VA	10000	
	Watts	9000	
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:230~264Vac Min.voltage:176~220Vac	
	ECO range	Same as the bypass	
	Harmonic distortion (THDi)	<3%(100% linear load)	
	Generator input	Yes	
Output	Rated voltage	220/230/240Vac	
	Power factor	0.9	
	Voltage regulation	±1%	
	Frequency	Line mode	±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 voltage	(Standard unit 240Vdc)   192/216/240Vdc (Adjustable)		
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)		
Typical recharging time	6~8 hours (to 90% of full capacity)		
Charging current	1A(Standard unit); Long run unit Max.current 8A(charging current can be set according to battery capacity installed)		

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MODEL		CN7010MPI/CN7010MPE	
System Features	Transfer time	Mains to battery:0ms; Mains to bypass:0ms	
	Overload	Line mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150% turn to bypass mode immediately
		Bypass mode	63A(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(optional), Relay card (optional)	
Environment	Operating temperature	0~40°C	
	Storage temperature	-25~55°C	
	Humidity range	0~95% (Non-condensing)	
	Altitude	<1500m	
	Noise level	<55dB	
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	
Physical	Dimension W x D x H (mm)	I:191 x 460 x 720 E:191 x 460 x 337	
	Net Weight (kg)	71 14	

\*Specifications are subject to change without prior notice.

### EXTERNAL BATTERY PACK

MODEL	CNBN10120CT
BATTERY SYSTEM	
Battery type	VRLA (Lead acid maintenance free battery)
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	2x20pcs
Capacity	7Ah/9Ah (12V)
PHYSICAL	
Dimension W x D x H (mm)	250 x 597 x 616
Net weight (kg)	122/134
ENVIRONMENT	
Safety	CE
Operating environment	0°C~40°C
Relative humidity	0~95% (Non condensing)
Noise level	<40dB at 1 Meter

### ORDERING INFORMATION

Part Number	Description
CN7010MPI	10kVA Online Transformer-less UPS (Internal Battery)
CN7010MPE	10kVA Online Transformer-less UPS (External Battery)
CNBN10120CT	240VDC Tower Mount Battery Pack

### COMPATIBLE ACCESSORIES

Part Number	Description
CNS02	SNMP Card for 10-80kVA 3/1 and 3/3