

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

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

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	Battery voltage	(Standard unit 192Vdc) 192/216/240Vdc (16/18/20pcs)	
	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 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; Inverter to bypass: 5ms (typical)	
	Overload	Line mode	Load ≤105% long time running; ≤125% last 10min; ≤130% last 30s; >130% 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), Relay card (optional)	
Environment	Operating temperature	0~40°C	
	Storage temperature	-25~-55°C	
	Humidity range	20~95% (Non-condensing)	
	Altitude	<1500m	
	Noise level	<58dB	
	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,IEC6100-2-2	
Physical	Dimension W x D x H (mm)	I:191 x 460 x 720 E:191 x 460 x 337	
	Net Weight (kg)	71 13.5	

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

EXTERNAL BATTERY PACK

MODEL		CNBN10120CT
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	2x20pcs	
Capacity	9Ah/12V (7Ah/12V optional)	
PHYSICAL		
Dimension W x D x H (mm)	250 x 619 x 616	
Net weight (kg)	122/134	
ENVIRONMENT		
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 Tower Type UPS with 16x7Ah Battery (Internal Battery)
CN7010MPE	10kVA Online Tower Type UPS (External Battery)
CNBC10120CT	240VDC Tower Mount Battery Pack

COMPATIBLE ACCESSORIES

Part Number	Description
CNS01	SNMP Card