

# MAX-POWER SERIES

## 3kVA Online Transformerless UPS



Norden's Maxpower Series 3 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 tower-type UPS is designed to be used in commercial buildings and offices, and can be connected to desktops and servers.



### General Features

- High power density
- Outlet socket universal (optional)
- Selectable output voltage:220/230/240Vac
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Maximum charging current up to 12A (long run unit)
- Emergency power OFF function
- 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
- Intelligent fan speed regulation
- Online double conversion with full digital control

### SPECIFICATIONS

MODEL		CN7003MPI/CN7003MPE	
Capacity	VA	3000	
	Watts	2700	
	Phase	Single phase with ground	
Input	Normal Voltage	208/220/230/240Vac	
	Operating Voltage Range	110~300Vac	
	Frequency Range	40~70Hz(50/60Hz Auto-detect)	
	Power Factor	≥0.99 @Nominal voltage(100% load)	
Output	Output Voltage	208/220/230/240Vac	
	Power Factor	0.9	
	Voltage Regulation	±1%	
	Frequency	Line mode (Synchronized range)	46~54Hz / 56~64Hz
		Bat. mode	50Hz / 60Hz ±0.1Hz
	Crest Factor	3 : 1	
	Harmonic Distortion (THDv)		≤3% THD(Linear load)
			≤5% THD(Non-linear load)
	Transfer time	AC to DC	Zero
		Inverter to bypass	4ms(Typical)
Waveform		Pure sinewave	
Output Socket Quantity		IEC - C13 - 4nos / Universal (Customizable) - 2nos	
Efficiency	AC mode	91%	
	Battery mode	88%	
Battery	Internal	Battery type	12V/7AH
		Numbers	6
		Typical recharging time	4 hours recover to 90% capacity
		Charging current(max.)	1A
		Charging voltage	82.2Vdc ±1%
	External	Battery Numbers	8
		Charging Voltage	109.6Vdc ±1%
		Charging current	12A

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MODEL		CN7003MPI/CN7003MPE	
Indicators	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators	
Alarm	Battery mode	Beeping every 4 seconds	
	Battery low	Beeping every second	
	Overload	Beeping twice every second	
	Fault	Continuously beeping	
Physical	Dimension W x D x H (mm)	Standard model	191x460x337
		Long run model	191x460x337
	Weight (kg)	Standard model	25
		Long run model	10
Environment	Humidity	20-95% RH @ 0-40°C (Non-condensing)	
	Noise level	<50dB @ 1 Meter	
	IP Rating	IP 20	
Management	Smart RS232/USB	Supports Windows® 7/8/10, Linux, FreeBSD and MAC	
	Optional SNMP	Power management from SNMP manager and web browser	
Standards	Safety	CE; IEC/EN62040-1,IEC/EN62477-1	
	EMC	IEN/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	

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

### EXTERNAL BATTERY PACK

MODEL		CNBC00396CT
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	96Vdc	
Charging current (Max)	1.4A	
Battery quantity	16	
Capacity	9Ah/12V (7Ah/12V optional)	
PHYSICAL		
Dimension W x D x H (mm)	191 x 460 x 337	
Net weight (kg)	47.5	
ENVIRONMENT		
Operating environment	0°C~40°C	
Relative humidity	0~95% (Non condensing)	
Noise level	<40dB at 1 Meter	

### ORDERING INFORMATION

Part Number	Description
CN7003MPI	3kVA Online Tower Type UPS with 6x7Ah Battery (Internal Battery)
CN7003MPE	3kVA Online Tower Type UPS (External Battery)
CNBC00396CT	96VDC Tower Mount Battery Pack

### COMPATIBLE ACCESSORIES

Part Number	Description
CNS02	Mini SNMP Card