

MAX-POWER SERIES

2kVA Online Transformerless UPS



Norden's Maxpower Series 2 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		CN7002MPI/CN7002MPE	
Capacity	VA	2000	
	Watts	1800	
	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	90%	
	Battery mode	87%	
Battery	Internal	Battery type	12V/7AH
		Numbers	6
		Typical recharging time	4 hours recover to 90% capacity
		Charging current(max.)	1A
		Charging voltage	82.1Vdc ±1%
	External	Battery Numbers	6
		Charging Voltage	82.1Vdc ±1%
		Charging Current	12A

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MODEL		CN7002MPI/CN7002MPE	
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	440x600x86.5
		Long run model	440x600x86.5
	Weight (kg)	Standard model	25
		Long run model	10.5
Environment	Humidity	20-90% 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		CNBC00272CT
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	72Vdc	
Charging current (Max)	1.4A	
Battery quantity	12	
Capacity	9Ah/12V (7Ah/12V optional)	
PHYSICAL		
Dimension W x D x H (mm)	191 x 460 x 337	
Net weight (kg)	38.5	
ENVIRONMENT		
Operating environment	0°C~40°C	
Relative humidity	0~95% (Non condensing)	
Noise level	<40dB at 1 Meter	

ORDERING INFORMATION

Part Number	Description
CN7002MPI	2kVA Online Tower Type UPS with 6x7Ah Battery (Internal Battery)
CN7002MPE	2kVA Online Tower Type UPS (External Battery)
CNBC00272CT	72VDC Tower Mount Battery Pack

COMPATIBLE ACCESSORIES

Part Number	Description
CNS02	Mini SNMP Card