

MAX-POWER PRO SERIES

Online Transformerless 10kVA UPS

MAXPOWER PRO is a small to medium power transformer-less UPS of CellNor. This UPS has a high output power factor at 0.9PF and a wide input voltage range: 110~286Vac. The CN6010MPI, CN6010MPE model support economic (ECO) operation mode.



General Features

- N+X parallel redundancy, support maximum 4 unit in parallel
- Online double conversion with full digital control
- Optimization battery group, the quantity of battery: 16/18/20Pcs (Settable)
- Selectable output voltage:220/230/240Vac
- Wide input voltage range:110~286Vac
- Wide input frequency range
- Maximum charging current up to 10A
- 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		CN6010MPI, CN6010MPE
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
	Generator input	Support
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%
	Waveform	Pure Sine Wave
Battery	Battery voltage	(Standard unit 240Vdc) 192/216/240Vdc (Adjustable) with Neutral
	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.current10A(charging current can be set according to battery capacity installed)

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MODEL		CN6010MPI, CN6010MPE
System Features	Transfer time	Mains to battery:0ms; Mains to bypass:0ms
	Overload	Line mode
		Bypass mode
	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
Environment	Communication interface	RS232, USB,SNMP card(optional), Parallel card(optional), Relay card (optional)
	Operating temperature	0~40°C
	Storage temperature	-25~55°C
	Humidity range	0~95% (Non-condensing)
	Altitude	<1500m
Physical	Noise level	<55dB
	Dimension	I:191 x 460 x 720 E:191 x 460 x 337
Standards	Weight	71/14
	Safety	IEC/EN62040-1,IEC/EN62477-1
Standards	EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8

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		2*20pcs
Capacity		7Ah/9Ah (12V)
Backup time @ 50% load		43 minutes
Backup time @ 100% load		15 minutes
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
CN6010MPI	10kVA Medium Power Transformerless UPS (internal battery)
CN6010MPE	10kVA Medium Power Transformerless UPS (external battery)
CNBN10120CT	120 VDC Battery Pack