

MAX-POWER SERIES

Online Transformerless 10kVA UPS

Maxpower Series is a small to medium power transformer-less UPS of CellNor. This is an online double conversion UPS with power factor of 0.9. The CN7310MP model supports ECO operation mode.



General Features

- Online double conversion with DSP control
- Wide input range:208~478Vac
- Wide input frequency range:40~70Hz
- Support parallel function(Optional)
- Optimization battery group, the quantity of battery:16/18/20pcs
- Support 3/1 and 1/1 operation
- Maximum charging current up to 14A(Settable)
- ECO mode operation for energy saving
- Intelligent fan speed regulation
- Cold start
- Self-testing when UPS start-up

SPECIFICATIONS

MODEL		CN7310MP
Capacity	VA	10000
	Watts	9000
Input	Normal Voltage	380/400/415Vac; (3Ph+N+PE), 220/230/240Vac (L+N+PE)
	Operating voltage range	208~478Vac; 120~276Vac
	Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)
	Power factor	≥0.99
	Bypass voltage range	Max.voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)
	Bypass frequency range	50/60Hz±10%
	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(optional)
		Bat. mode 50/60(±0.1)Hz
	Crest factor	3:1
	Harmonic distortion (THDv)	≤2% with linear load, ≤5% with non-linear load
Battery	Efficiency	>93.5%
	Battery voltage	192/216/240Vdc
	Capacity (Standard unit)	12V/7Ah/9Ah
	Typical recharging time	6~8 hours (to 90% of full capacity)
	Charging current	1.35A (standard unit) ; Max.current 14A(Long run unit)

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MODEL		CN7310MP
System Features	Transfer time	AC mode to Bat.Mode:0ms, Inverter 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 board (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	at 1 Meter
	Dimension	E: 220 x 531 x 450 ; L: 250 x 900 x 868
	Weight	22/114

STANDARDS		
	Safety	IEC/EN62040-1, IEC/EN60950-1
	EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8

ORDERING INFORMATION

Part Number	Description
CN7310MP	10kVA Medium Power Transformerless UPS

