

# 6-10kVA ONLINE TRANSFORMER-LESS OUTDOOR UPS



An outdoor UPS (Uninterruptible Power Supply) is a type of power protection equipment designed to operate in outdoor environments. These UPS systems are specifically engineered to withstand environmental elements such as temperature variations, humidity, and exposure to dust or water. They are commonly used to provide reliable and continuous power to outdoor equipment or installations that are critical for various applications.



## GENERAL FEATURES

- Provides a pure uninterrupted AC sine wave power supply for the outdoor communication / network equipment.
- The use of high temperature, anti cold, salt spray, anti-corrosion, anti dust, waterproof, lightning protection design.
- IP65 Protection
- Advanced DSP technology, ensure long life reliability.
- True online double conversion technology.
- Auto bypass output.
- N+X parallel redundancy.
- DC start function, input PFC revise function.
- Input Land N lines reverse wiring detection.
- Wide input voltage range, zero transfer time.
- Excellent Protection against over voltage, overload, over current, overcharge and so on.
- Strong anti-jamming capability, Lightning, surge, short-circuit, network/fax/modem surge protection.
- Available to work with generators.
- RS232 intelligent communication monitoring.
- AS-400 Dry contact and SNMP card remote intelligent control.
- The integration of an AC unit will extend the operating temperature range up to 70°C

## SPECIFICATIONS

MODEL		6kVA	10kVA
Capacity	VA/W	6000VA/4800W	10000VA/8000W
Input	Nominal voltage	208/220/230/240VAC	
	Voltage Range	120~275VAC	
	Frequency Range	50Hz :46~54Hz; 60Hz : 56~64Hz	
	Phase	Single phase with Ground	
	Power Factor	≥0.97	
Output	Voltage	208/220/230/240*(1±1%) VAC	
	Frequency	50/60Hz (Adjustable); 50Hz AC Mode: Follow AC, Battery Mode: 50Hz (1±0.2%); 60Hz AC Mode: Follow AC, Battery Mode: 60Hz (1±0.2%);	
	Wave Form	Pure sine wave	
	Power Factor	0.8	
	Harmonic Distortion	≤2% (Linear load); ≤6% (Non-Linear load)	
	Overload Capacity	Load<105% work constant; 105%≤load<125% 1min; 125%≤load<150% 30sec	
	Current Crest Ratio	3:1	
	Connections	Terminal block	
Efficiency	Battery Mode	87%	
	AC Mode	88%	
Battery	Type	Sealed maintenance free lead acid battery	
	Nominal DC voltage	192VDC	
	Battery Numbers	16	
	Charge Current (MAX)	4.5A	
	Charge Voltage (Vdc)	219.5Vdc±1%	

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Features	Bypass	Automatic Transfer on overload and UPS failure Before UPS Power-on	
	Transfer Time	Zero	
	Indicators	UPS status, Battery capacity, loading, Fault code	
	Audible Alarm	Bypass, On battery mode, Battery low, Overload, Fault	
Communications	Intelligent RS232 serial port	Software support Windows family software, Linux, Sun network operating system, IBM Aix, Compaq True64 SGI IRIX, FreeBSD, HP-UX and MAC	
	SNMP (Optional)	Power management from SNMP manager and web browser	
	USB (Optional)	Windows family software and Mac OS	
Environmental	Operating Temperature	0~40°C   Optional AC 0-70°C	
	Storage Temperature	-45°C~70°C (Without battery)	
	Operating Humidity	0-95% (No condensation )	
Weight	Net Weight (kg) (No battery)	120	123
UPS Dimension	L x W x H (mm) (Cabinet)	718x595x1371	

\*Product specifications are subject to change without further notice.

## ORDERING INFORMATION

Part Number	Description	Backup Time
CN8061624OD	6kVA Online Transformer-less Outdoor UPS with 16pcs of 24Ah battery	for 15 Minutes
CN8061645OD	6kVA Online Transformer-less Outdoor UPS with 16pcs of 45Ah battery	for 30 Minutes
CN8061665OD	6kVA Online Transformer-less Outdoor UPS with 16pcs of 65Ah battery	for 60 Minutes
CN8101638OD	10kVA Online Transformer-less Outdoor UPS with 16pcs of 38Ah battery	for 15 Minutes
CN8101675OD	10kVA Online Transformer-less Outdoor UPS with 16pcs of 75Ah battery	for 30 Minutes
CN81016105OD	10kVA Online Transformer-less Outdoor UPS with 16pcs of 105Ah battery	for 60 Minutes

## COMPATIBLE ACCESSORIES

Part Number	Description
CN0610AC-OD	Air Conditioner for 6,10kVA Outdoor UPS
NPS-SN01	SNMP Card for Outdoor UPS

