

1-3kVA 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 MCU microprocessor control Technology, ensure long life reliability.
- 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.
- Input L and N lines reverse wiring detection.
- DC start function, input PFC revise function.
- Humanized bypass output adjustable.
- 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

		1kVA	2kVA	3kVA
Capacity	VA/W	1000VA/800W	2000VA/1600W	3000VA/2400W
Input	Nominal voltage	110/115/120VAC or 200/220/230/240VAC		
	Voltage Range	60~138VAC or 115~300VAC		
	Frequency Range	50Hz :46~54Hz; 60Hz : 56~64Hz		
	Phase	Single phase with Ground		
	Power Factor	≥0.97		
Output	Voltage	110/115/120 (1±2%) VAC or 208/220/230/240 (1±2%) VAC		
	Frequency	0/60Hz (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	≤3% THD (Linear load); ≤7% THD (Non-Linear load)		
	Overload Capacity	110%~150% maintain 30s then turn to bypass output; over 150% maintain 200ms		
	Current Crest Ratio	3:1		
	Connections	Terminal block		
	Efficiency	Battery Mode	83%	
AC Mode		85%		
Battery	Type	Sealed maintenance free lead acid battery		
	Nominal DC voltage	36VDC	96VDC	
	Battery Numbers	3	8	
	Charge Current (MAX)	7.0A	8.0A	
	Charge Voltage (Vdc)	41.1V±0.4V	110V±0.6V	

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Features	Bypass	Automatic Transfer on overload and UPS failure Before UPS Power-on	
	Transfer Time	0ms; less than 4ms from inverter to bypass and vice versa	
	Indicators	UPS Status, Battery Capacity, Fault Code	
	Audible Alarm	Bypass, 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)	Remote control UPS through SNMP management and Internet	
	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)	52	100
UPS Dimension	L x W x H (mm) (Cabinet)	638x507x775	612x525x1511

*Product specifications are subject to change without further notice.

ORDERING INFORMATION

Part Number	Description	Backup Time
CN801320OD	1kVA Online Transformer-less Outdoor UPS with 3pcs of 20Ah battery	for 15 Minutes
CN802818OD	2kVA Online Transformer-less Outdoor UPS with 8pcs of 18Ah battery	for 15 Minutes
CN803824OD	3kVA Online Transformer-less Outdoor UPS with 8pcs of 24Ah battery	for 15 Minutes
CN801338OD	1kVA Online Transformer-less Outdoor UPS with 3pcs of 38Ah battery	for 30 Minutes
CN802833OD	2kVA Online Transformer-less Outdoor UPS with 8pcs of 33Ah battery	for 30 Minutes
CN803845OD	3kVA Online Transformer-less Outdoor UPS with 8pcs of 45Ah battery	for 30 Minutes
CN801380OD	1kVA Online Transformer-less Outdoor UPS with 3pcs of 80Ah battery	for 60 Minutes
CN802865OD	2kVA Online Transformer-less Outdoor UPS with 8pcs of 65Ah battery	for 60 Minutes
CN8038100OD	3kVA Online Transformer-less Outdoor UPS with 8pcs of 100Ah battery	for 60 Minutes
CN8013100OD	1kVA Online Transformer-less Outdoor UPS with 3pcs of 100Ah battery	for 120 Minutes

COMPATIBLE ACCESSORIES

Part Number	Description
CN0103AC-OD	Air Conditioner for 1-3kVA Outdoor UPS
NPS-SN01	SNMP Card for Outdoor UPS