

RELIABILITY Power Systems

Powering Critical Applications Indoor & Outdoor



**OUTDOOR 0.5 – 10KVA Single Phase
Online & Line Interactive UPS Systems**

IP67 HIGH PRECISION OUTDOOR UPS SYSTEM

Online or Line-Interactive Options 500VA - 10KVA Pure Sinewave

RELIABILITY Online Pure Sinewave Outdoor UPS Systems are specially designed for Industrial and harsh environment applications to support Telecommunications Systems, Integrated Traffic Control Systems, Networking Systems, Security Systems.

These Outdoor UPS Systems are capable to sustain high temperatures, Frost Resistant, Corrosion Resistant, Dust Resistant and Water Resistant.

RELIABILITY Outdoor UPS Systems feature state of the art High Technology and advanced functions like High MTBF, increased system reliability, Energy saving, Anti surge, Intelligent Battery Management, wide input voltage and Frequency range and

RELIABILITY Outdoor UPS Systems are efficiently customizable to site requirements in size, and Battery Backup/ Autonomy Time.



Features

- Strong environmental adaptability
- High reliability, energy saving, environmental protection
- Wide adaptability to power grid
- Unattended and intelligent monitoring (option)
- Inverter isolation & pure sine wave technology
- Online UPS protection function
- Intelligent no-load shut-off (option)
- Automatic adaptive frequency
- Frequency-adaptive



Remark: 1) All specifications subject to change without notice.

2) Discharge time depends on the battery capacity and the load speciality, it goes by the actual configuration.

Technical Specifications

Model	REL#OD500	REL#OD1K	REL#OD2K	REL#OD3K	REL#OD6K	REL#OD10K
Power	500VA	1KVA	2KVA	3KVA	6KVA	10KVA
DISPLAY						
Panel indicator	LED / LCD (Customized)					
INPUT PARAMETERS						
Load	TELECOM SYSTEMS, SECURITY SYSTEMS, BANKING SYSTEMS/ATMs, NETWORKING, PLCs					
Input Voltage	110VAC / 120VAC / 220VAC / 230VAC / 240VAC Customizable Order options					
Input Frequency Range	45-65 Hz (over-frequency automatically transfer to inverter power)					
Input Range	25% of Nominal Input Voltage					
Input P.F. (AC/DC)	98%					
Efficiency	Mains mode \geq 96%					
Mains overload	110% in 60s transfer to bypass power, 120% in 30s transfer to bypass power, automatically recover when the load decrease					
Protections	Circuit Breaker and Fuse					
OUTPUT PARAMETERS						
Inverter Output Voltage	110VAC / 120VAC / 220VAC / 230VAC / 240VAC Customizable Order options					
Output Frequency	50 Hz / 60Hz \pm 1% adaptive					
Output Power Factor	0.6/ 0.7/0.8/0.9 options					
Waveform	Pure Sinewave (Squarewave option available)					
Transfer time	5ms typical Max.8 ms					
Efficiency	80%					
Inverter overload	110% in 60s shut down, 120% in 5s shut down					
No-load shut-off (option)	1MIN the system automatically shut down					
Short Circuit	the system automatically shut down					
ALARM						
Mains abnormal	1/4S, automatically mute in 40S					
Low battery	1/ 0.2S					
Overload	1/ 1S					
BATTERY						
DC voltage	12VDC to 96VDC as per UPS Rating and Backup Requirement					
Inner battery	Batteries are installed in Lower Portion of Enclosure					
Charge current	Battery Charge Current is set according to Batteries Backup Capacity					
Communication Interface (Option)	Dry contact / RS232 / USB / SNMP					
Battery Types supported	Sealed Lead Acid and Nickel Cadmium					
Site Related Parameters						
Installation	Free Standing on Floor or Wall Mount					
Surge protection	Class C					
Safety	GB4943-2001, IEC IEC62040-2:2006					
EMC	EA50091-2; IEC62040-1:2006; EA61000-3-2:2006; EA61000-3-3:2008					
Protection grade	IP67					
Environmental Temperature	0°C ~ 50°C (-30°C Option)					
Environmental Humidity	10% ~ 95% (no cooling)					
Noise	\leq 50dB					
Weight(kg)	25Kg to 100Kg as per Batteries Requirement					

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