

RT SERIES OUTDOOR UPS

1 - 10 kVA, 1:1 Phase

UNINTERRUPTIBLE POWER SUPPLY

Introduction

RT series outdoor UPS, is a specially designed, high temperature resistant, frost resistant, corrosion resistant, dust proof and water proof unit with an advance microprocessor control and pulse width modulation (PWM).

Protected by an outdoor enclosure to optimise reliability and ensure high performance.

Key Features

- Online Double conversion design.
- Wide input voltage window.
- IP55 and IP65 cabinet with intelligent cooling system.
- High temperature operating range.
- Heat and cold resistant, fine dust proof, water proof and sun protection.
- Continuous pure sine wave.
- Extended run time
- Cold start function (DC power ON)
- Lightning and surge protection
- Supports generator input
- Remote Monitoring



IP65 (Equipped with Intelligent Air conditioning system)



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- Video security cameras
- Outdoor emergency systems
- Security systems
- Radio-base stations
- Outdoor telecom applications
- Roadway display system
- Automatic gate control system
- Traffic signal light system

Standards

- IEC EN 62040, EN60950
- EMC (2004/108/EC)
- ISO 9001
- CE conformity
- GOST conformity

Support

- 2 year product warranty (optional)
- 10 years spare parts availability



RT SERIES OUTDOOR UPS

TECHNICAL DATA

Model	RT-01	RT-02	RT-03	RT-06	RT-10
Power (kVA)	1	2	3	6	10
Capacity	1 kVA / 0.8 kW	2 kVA / 1.6 kW	3 kVA / 2.4 kW	6 kVA / 4.8 kW	10 kVA / 8 kW
Range Voltage	220 / 230 / 240 VAC				
Frequency	50 / 60 Hz				
INPUT					
Voltage Range	115 - 295 VAC (\pm 3VAC)			176 - 297 VAC (\pm 3VAC)	
Frequency Range	50 Hz (46..54Hz) / 60 Hz (56..64Hz) Auto detect 50Hz / 60 Hz				
Soft Start	0 - 100% 5 sec				
Power Factor	> 0.98				
OUTPUT					
Range Voltage	220 / 230 / 240 VAC ($1\pm$ 2%) AC				
Frequency	50 Hz / 62 Hz \pm 0.05 Hz				
Power factor	0.8				
THD	<3% (100% Linear load) / <5% (100% Non-linear load)				
Overload Tolerance	30 sec (110-150%), then automatically transfer to bypass. When load is normal, transfer to normal mode.				
Crest Factor	3 : 1				
Transfer time	0 msec (AC to DC)				
BATTERY					
Battery	36 Vdc	72 Vdc	72 Vdc / 96 Vdc	240 Vdc	240 Vdc
Charging Current	4A / 8A (Optional)	4A / 8A (Optional)	4A / 8A (Optional)	4.2A	4.2A
Internal Battery Capacity	(28 / 42 / 55 / 65 / 75 / 100 Ah) Optional				
GENERAL					
LED	Load level / Battery level, Battery Indicator, Utility power, Inverter, Bypass, Overload, Fault				
Communication	Smart RS232 Card (Optional)				
Temperature	-45 deg C to 60 deg C				
Humidity	0 - 95% R.H (non-condensing)				
Storage Temperature	-45 deg C to 60 deg C				
Elevation	<1500m				
Ingress Protection	IP55 (Forced air cooling) , IP65 (Intelligent air conditioning system)				
Colour	RAL 7016 Black/Gray				
Dimension DxWxH (mm)	640 x 954 x 613	753 x 1227 x 650	753 x 1227 x 650	940 x 1770 x 940	940 x 1770 x 940
Weight (kg)	85	125	125	150	150
OPTIONAL ITEMS					
Communication	Modbus , Dry contact board, SNMP card				
Extended Warranty	1 Year Additional Product Warranty				
Customised System	System in accordance with client specifications, size limitations and operating ambient				

** Specifications are subject to change without notification