



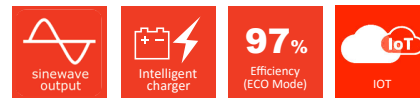
UNITY RT series

1K/1.5K/2K/3K/1KS/1.5KS/2KS/3KS



Key Features

- High density, true double conversion online UPS with unity output power factor
- Rack / tower convertible
- Programmable outlet group will extend back up time for most critical equipment
- Embedded Ethernet port solution provide safe network connection to Cloud, which will meet the increasing IoT trend
- Dot matrix LCD support up to 10 languages
- Wide input voltage range (110-300VAC) will extend battery life
- Hot swappable batteries
- Built-in OVCD protection, fan lock detection, over temperature detection and overload warning to enhance product reliability
- Temperature compensated battery charging
- Full communication solution support IT and industrial environment



Typical Application

- Edge computing, MDC, small and medium data centers
- Server, networks, storages and hyper-convergence infrastructure
- Virtualization software running environment
- Robot, industrial automatic control
- Precise equipment and facility



Specification

Model		UNITY RT 1K	UNITY RT 1KS	UNITY RT 1.5K	UNITY RT 1.5KS	UNITY RT 2K	UNITY RT 2KS	UNITY RT 3K	UNITY RT 3KS	
Capacity		1000VA/1000W		1500VA/1500W		2000VA/2000W		3000VA/3000W		
Input	Input Voltage Range	110~300V _{AC}								
	Frequency Range	45~55Hz/54~66Hz								
	Input Wiring	Single Phase with ground								
	Current Distortion (THDi)	<5% @ full load								
Output	Output Power Factor	1								
	Nominal Output Voltage	200/208/220/230/240V _{AC}								
	Voltage Regulation	± 1%								
	Frequency Range (Battery Mode)	50/60 ± 0.2 Hz								
	Current Crest Ratio	3:1								
	Voltage Distortion (THDv)	<1% @ Linear Load, <5% @ Non-Linear Load								
	Output Waveform	Pure Sine Wave								
	Parallel Operation	N/A								
Efficiency	Inverter Mode	89%				93%				
	ECO Mode	96%		97%						
Battery and charger	Built-in Battery	12V/7Ah x3 12V/9Ah x2	N/A	12V/9Ah x3	N/A	12V/7Ah x6 12V/9Ah x4	N/A	12V/9Ah x6	N/A	
	Rated Battery Voltage	36V _{DC} / 24V _{DC}	36V _{DC}	36V _{DC}	36V _{DC}	72V _{DC} / 48V _{DC}	72V _{DC}	72V _{DC}	72V _{DC}	
	Recharge Time (to 90%)	3 hours	N/A	3 hours	N/A	3 hours	N/A	3 hours	N/A	
	Charging Current (max)	1.5A	8A	1.5A	8A	1.5A	8A	1.5A	8A	
Transfer time	Battery Mode ↔ Inverter Mode	0 ms								
	Inverter Mode ↔ Bypass Mode	4 ms								
	ECO Mode ↔ Battery Mode	<10 ms								
Environment	Dimension (W x H x D)	438 x 86.5 x 445 mm				438 X 86.5X 608 mm				
	Operating Temperature	0-40° C								
	Noise Level	<40dB @ typical load				<45dB @ typical load				
	Standards	Safety: IEC 62040-1, EMC: IEC 62040-2								
Interface	Display	Dot matrix LCD support up to 10 languages(Segment LCD optional)								
	Ethernet port	Built-in ethernet port support direct Cloud connection or local network connection								
	RS232/USB	Yes, USB HID function is available on USB port								
	Dry contact	Dry in and Dry out								
	Emergency Power Off	Yes								
	Communication card slot	Support network management card, ModBus card and Dry contact card								
	WiFi connection	Optional								