

RS-RT PLUS-E

DSP-CONTROLLED ON-LINE RACK TOWER UPS

1000VA ~ 3000VA

The RS-RT Plus-E series is a sleek double conversion online rack-tower convertible UPS with premium features including a wide input voltage window and extended runtime capability for critical applications for IT equipment, routers, point of sales and servers.



PERFECT FOR:



Routers



PC & Networks



Switches



IT loads & servers

FEATURES



- Online double conversion VFI protection from 1000VA to 3000VA
- Extreme battery lifetime thanks to:
 - Wide input voltage tolerance (110-300V)
 - Wide input frequency (44-66Hz)
 - Intelligent battery management
- Optimized Output Power Factor 0.9
- Cold start to activate loads without mains
- Multiple operation modes to maximize energy efficiency
- Strong overload capability to improve Circuit Breaker's selectivity
- Hot-swappable battery packs for ease of replacement
- Intuitive LCD interface provides clear information with easy to use navigation keys
- UPS management via RS232 port or USB port
- Multiple outlets types: IEC, Schuko, Universal for various output connection
- Firmware upgradeable for updates and customization

OPTIONS



- External Battery Connector for extended runtime capability
- External matching battery cabinet
- Mini SNMP Card to support real-time and web monitoring via TCP/IP

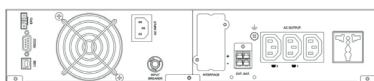
WHAT'S IN THE BOX



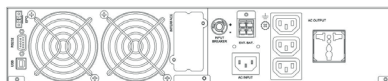
- Input power cable
- Output power cable (IEC C13 to IEC C14)
- Other Cables and Accessories are sold separately

BACK PANEL

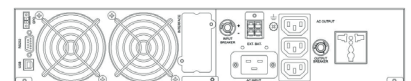
RS-RT Plus 1000E



RS-RT Plus 2000E



RS-RT Plus 3000E



SPECIFICATIONS

MODEL		RS-RT Plus 1000E	RS-RT Plus 2000E	RS-RT Plus 3000E
INPUT	Input Voltage	220/230/240Vac		
	Voltage Range*1	110~300Vac		
	Phase	Single Phase with Ground		
	Frequency Range	44~66Hz (Auto sensing)		
	Input Power Factor	>0.98 @ 100% linear load		
OUTPUT	Capacity	1000VA/900W	2000VA/1800W	3000VA/2700W
	Output Voltage	220/230/240 Vac (Settable)		
	Output Power Factor	0.9		
	Output Voltage Distortion	<4% @ 100% Linear load <7% @ 100% non-linear load		
	Output Voltage Regulation	±1%		
	Frequency Range	±1Hz or ±3Hz (selectable)		
	Crest Factor	3:1		
	Transfer Time (AC to DC)	0ms		
	Output Waveform	Pure Sine Wave		
EFFICIENCY	Line Mode	Up to 91%		
	Eco Mode	Up to 96%		
BATTERY*4	Type	12V VRLA (Maintenance-free lead)		
	Number of Battery	2	4	6
	Rated Battery Voltage	24Vdc	48Vdc	72Vdc
	Uptime with internal battery at 100% load*3	≥ 5min		
	Recharge Time (to 90%)	4~6 hours		
	External Battery Connection	Yes		
FRONT PANEL	LCD	Normal, Battery, Bypass, Self-Test, Battery Weak, Site Wiring Fault, Overload, Load/Battery Level		
	BUTTON (3 KEY)	ON/Alarm Silence Button, OFF Button, Test/Level Button		
ALARM	Audible or Visual	Line failure/Battery low/Transfer to bypass/System fault		
PROTECTION	Full protection	Overload, Over Temperature, Short circuit, Deep discharge, Overcharge		
FUNCTION	Multi-Mode	Normal/ECO		
	DC Start	Yes		
PHYSICAL	Dimension (WxHxD, mm)	440 x 88 x 455		440 x 88 x 630
	Net Weight (kg)	10.7	13.3	17.8 22.9 23.1
	Output Connections*2	3x IEC-C13 + 1x Universal		
ENVIRONMENT	Operation Temperature	0~40°C		
	Operation Humidity	0%~90% (without condensing)		
	Altitude	1000m without derating		
	Noise Level	≤ 50dBA @ 1 meter front		
INTERFACE	Standard	RS-232 and USB		
	Option	Mini SNMP/Web card		
	Compatible platforms	Microsoft Windows, Linux, Mac		
STANDARDS & CERTIFICATIONS	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2		
	Marks	CE		

*Specifications subject to change without notice

*1) Based on load percentage

*2) Other outlet types are available upon request

*3) Battery capacity and configuration depends on the required uptime and load type.

*4) Ambient temperature for battery ≤ 25°C

Designed &
Engineered by:

