



Razor UPS

Rack Mount Modular UPS Systems

Razor Modular UPS 1kVA - 10kVA

The Razor series is a parallel redundant, true-online, double-conversion, DSP-controlled, high 1.0* output power factor, wide input voltage range UPS. The Razor UPS is an ideal solution for banks, industrial equipment, IT equipment, data centers, communication arrays, and other mission critical electronic devices.

UPS
Module

Transformer
Module

External Battery
Module



Key Features

- Rack/tower convertible
- N+X parallel redundant
- Graphic LCD display
- Charger/fan status on LCD display
- Hot swappable battery
- Online double-conversion w/ DSP
- High Output Factor of 1.0*
- Low input distortion
- Frequency converter mode
- Optional transformer module
- Efficiency up to 93.5%
- Emergency power off
- Settable battery voltage
- Temp controlled fan
- Common battery packs
- Cold DC start
- Communication software
- Settable charging current
- ECO mode
- External battery pack



**Rack / Tower
Convertible**



UPS							
Model		RU-1000	RU-1500	RU-2000	RU-3000	RU-6000	RU-10000
Capacity(VA)		1000 VA	1500 VA	2000 VA	3000 VA	6000 VA	10K VA
Capacity(Watts)		1000 W	1500 W	2000 W	3000 W	6000 W	10K W
Form		Rack & Tower					
INPUT							
Voltage		208 / 220 / 230 / 240 Vac					
Voltage Range		120 - 140 Vac, < 25% Load					
		140 - 160 Vac, < 50% Load					
		160 - 180 Vac, < 75% Load					
		180 - 276 Vac, < 100% Load					
Frequency Range		50 / 60 Hz (Auto Sensing)					
Power Factor		> 0.97					
Cold Start		Yes					
OUTPUT							
Rated Power Factor		1					
Waveform		Pure Sine Wave					
Voltage		208 / 220 / 230 / 240 Vac ± 2%					
Frequency		50 / 60 Hz ± 0.25 Hz					
Transfer Time		0 ms					
Harmonic Distortion		2.5% THD at Linear Load				3% THD at Linear	
Crest Factor		3:01					
EPO Function		Option					
Output Receptacle Option		NEMA, IEC, or Hardwire Outputs					
PROTECTION							
Overload	Line Mode	105% - 120% for 30 seconds					
		121% - 150% for 10 seconds					
	Battery Mode	101% - 109% for 10 seconds					
		110% - 120% for 3 seconds					
Surge Protection		IEC 61000-4-5 Level 3					
Bypass		Internal Bypass(Automatic and Manual)					
Short Circuit Protection		UPS Output Cut Off Immediately					
BATTERY							
Model		RUB-1000	RUB-1500	RUB-2000	RUB-3000	RUB-6000	RUB-10K
Type		12V 7Ah	12V 9Ah	12V 7Ah	12V 9Ah	12V 5Ah	12V 9Ah
Quantity		3	3	6	6	20	20
Sealed, Maintenance Free		YES					
Typical Recharge Time		4 Hr to 90%					
External Battery Module		Option				Yes	
External Battery		Option				Yes	
ENVIRONMENT							
Operating Humidity		0~90% RH at 0~40°C(Non-condensing)					
Audible Noise		Less than 40 dB				Less than 55 dB	
Altitude		< 2000m					
Heat Dissipation (BTU/h)		342	512	683	1024	2047	3412
MANAGEMENT & COMMUNICATION							
LCD Control Panel		YES					
Communication Port		RS232, USB(B-type)					
SNMP Slot		Option					
Audible Alarms		YES					
PHYSICAL							
Power Module	Dimensions (WxDxH)(In)	16.8 x 16.7 x 3.3		16.8 x 25 x 3.3			
	Weights(Lbs)	32.4	35.7	57.8	64	34.7	44
	Shipping Dimensions (Lbs)	546 x 552 x 206		550 x 750 x 220			
	Shipping Weights (Lbs)	38.6	42	66	73.7	39.5	53
Battery Module	Dimensions (WxDxH)(In)	16.8 x 16.7 x 3.3		16.8 x 25 x 3.3		16.8 x 25 x 3.3 (2U)	16.8 x 25 x 5.1 (3U)
	Weights(Lbs)	46		82.3		92.6	150
	Shipping Dimensions (In)	21.5 x 21.7 x 8.1		21.7 x 29.5 x 8.7		19.7 x 28.5 x 8.7	32.7 x 23.3 x 14.6
	Shipping Weights (Lbs)	51.6		90		100.5	183