

ARMOR ONLINE RT Series

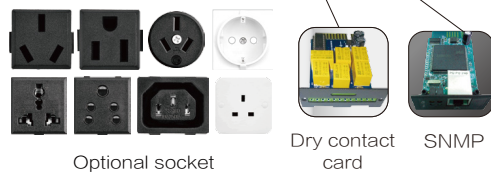
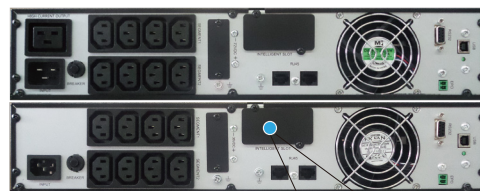
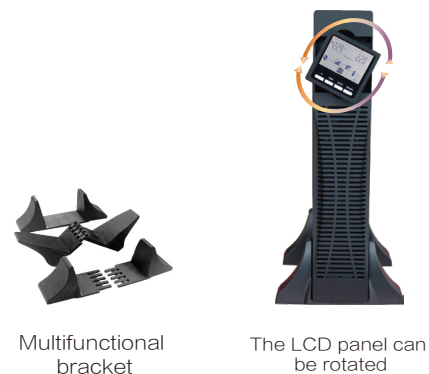
1:1 Phase PF 0.9 (PF 1.0 optional)

Power range: 1kVA~3kVA



Features

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface:RS232 (USB/EPO/Dry contact /SNMP card optional)
- Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm



Technical Specifications:

MODEL	ARMOR Online 1K RT H			ARMOR Online 1K RT S			ARMOR Online 2K RT H			ARMOR Online 2K RT S			ARMOR Online 3K RT H		ARMOR Online 3K RT S		
Capacity	1000VA/ 900W			2000VA/ 1800W			2000VA/ 1800W			3000VA/ 2700W							
INPUT																	
Nominal voltage	208/220/230/240Vac																
Input voltage range	110-300Vac (176-280Vac @ 100% load)																
Frequency range	40-70Hz (50/60Hz Auto-Sensing)																
Power factor	≥0.99																
OUTPUT																	
Output voltage	208/220/230/240Vac																
Power factor	0.9																
Voltage regulation	± 1%																
Output frequency	Line Mode	46-54Hz or 56-64Hz															
	Bat. Mode	(50/60 ± 0.1%)Hz															
Crest factor	3:1																
Harmonic distortion (THDv)	≤3% Linear load																
	≤5% Non linear load																
Transfer time	AC mode to Bat.Mode	0ms															
	Inverter to Bypass	4ms (Typical)															
Output waveform	Pure Sinewave																
EFFICIENCY																	
AC mode	89%			91%			91%			92%							
Battery mode	85%			87%			87%			88%							
BATTERY																	
Battery number	2	3	2	3	4	6	4	6	6	8	6						
Capacity (Standard unit)	9Ah/12V																
Typical recharging time	4 hours (to 90% of full capacity)																
Charging voltage	27.4Vdc ± 1%	41.1Vdc ± 1%	27.4Vdc ± 1%	41.1Vdc ± 1%	54.8Vdc ± 1%	82.2Vdc ± 1%	54.8Vdc ± 1%	82.2Vdc ± 1%	82.2Vdc ± 1%	109.6Vdc ± 1%	82.2Vdc ± 1%						
Charging current (Max)	6A/12A		1A		6A/12A		1A		6A/12A		1A						
INDICATORS																	
LED display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault																
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time																
ALARM																	
Battery mode	Beeping every 4 seconds																
Battery low	Beeping every second																
Overload	Beeping twice every second																
Fault	Continuously beeping																
PHYSICAL																	
Dimension W x D x H (mm)	440 x 325 x 86.5			440 x 460 x 86.5			440 x 600 x 86.5			440 x 460 x 86.5			440 x 600 x 86.5				
Net weight (kg)	5.6		11.3		14		10.5		19.5		25		11		26		
ENVIRONMENT																	
Operating temperature	0°C~40°C																
Storage temperature	-25°C~55°C																
Humidity range	20~95%RH @ 0~40°C (Non condensing)																
Altitude	<1500m, derating required when >1500m																
Noise level	<50dB at 1 Meter																
STANDARDS																	
Safety	IEC/EN62040-1, IEC/EN62477-1																
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8																

Specifications are subject to change without prior notice.
When output voltage is 208Vac, need to derate to 80% of the unit capacity.