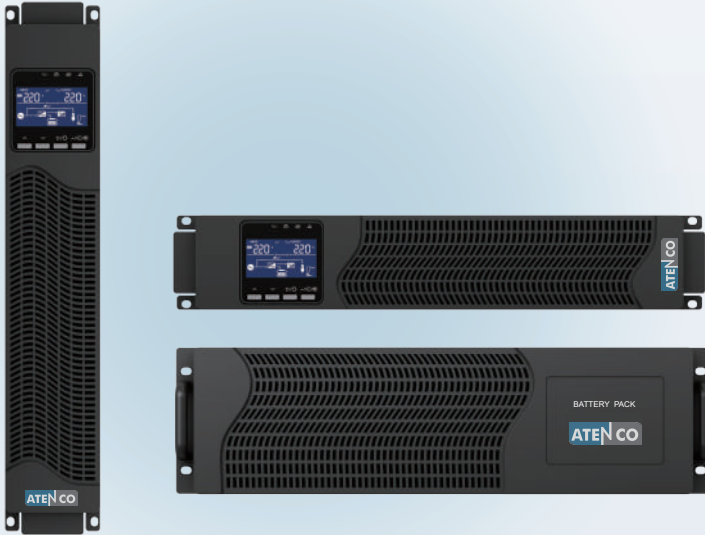




Solutions behind the power

1:1



96%

ECO efficiency*

≥0.99

Input PF (PFC)

0 ms

Transfer time

PF 0.9

Output PF
(Optional PF1)

40-70Hz

Auto-sensing

Hot-swappable

Batteries
(1-3kVA)

Always Online. Zero Transfer Time.

2U Rack/Tower Convertible · True Online Double-Conversion (VFI) · DSP Control · Wide Input 110-300Vac (1-3kVA)

40-70Hz Auto-Sensing · Input PF ≥0.99 (PFC) · Output 208/220/230/240Vac · Pure Sinewave (THDv ≤3% linear / ≤5% non-linear)

Applications



ON LINE



Rack/Tower



Datacenter



SOHO



E-Medical



Industry



Transport



Emergency

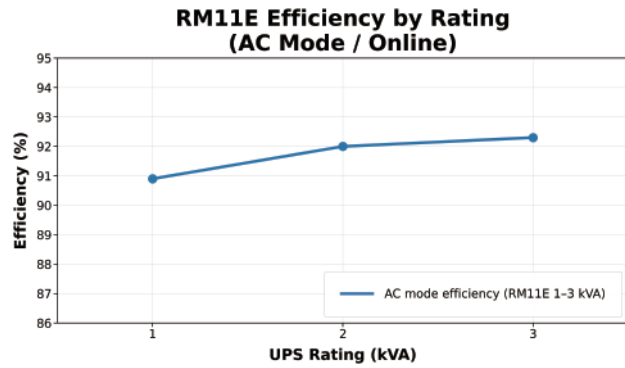
RM11E Series is a 2U rack/tower convertible UPS range for 1-3kVA with DSP digital control. It delivers PF 0.9 output with input PF ≥0.99 (PFC) and provides 0 ms transfer time from AC to battery operation. Input frequency is 40-70Hz auto-sensing, and output voltage is selectable at 208/220/230/240Vac with ±1% regulation. Output is pure sinewave, 3:1 crest factor, with low distortion (THDv ≤3% linear / ≤5% non-linear). The UPS accepts 110-300Vac input (supports full load within 176-264Vac). Standard models use internal hot-swappable batteries; long-run models support up to 6A charging. Interfaces include USB / RS-232 / EPO, with optional intelligent-slot cards for monitoring and integration.

*Performance may vary by configuration and environment.

SCAN THE CODE
TO LEARN MORE



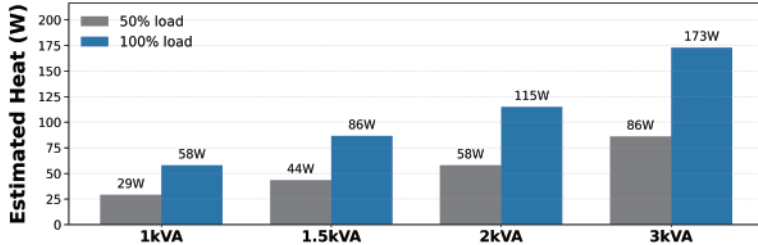
- True online double-conversion UPS with DSP digital control
- Output PF = 0.9 (optional PF 1.0)
- High input PF ≥ 0.99 (PFC)
- 0 ms transfer time (AC mode \rightarrow Battery mode)
- High efficiency up to 92%; ECO mode up to 96%
- 2U rack/tower convertible compact design
- Generator compatible and ECO mode
- Standard interfaces: USB / RS-232 / EPO
- LCD/LED status monitoring with real-time parameters



(input/output, load %, battery voltage, temperature, remaining backup time) and alarms

Performance

RM11E — Heat Dissipation @50% & @100% Load AC Mode, PF = 0.9



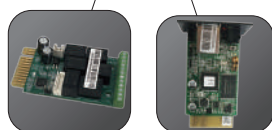
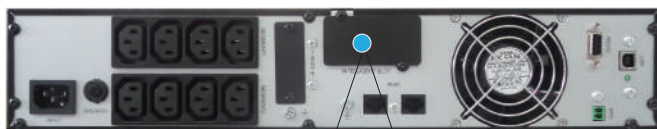
- Input frequency range: 40-70Hz, auto-sensing (50/60Hz)
- Input voltage range: 110-300Vac (176-264Vac @ 100% load)
- Selectable output voltage: 208/220/230/240Vac
- Voltage regulation: $\pm 1\%$
- Output waveform: Pure sinewave; crest factor 3:1
- THDv: $\leq 3\%$ (linear) / $\leq 5\%$ (non-linear)
- Transfer time (Inverter \rightarrow Bypass): 4ms typical
- Overload Capability: $\leq 110\%$ for 60 min; $\leq 125\%$ for 10 min; $\leq 150\%$ for 1 min; $> 150\%$ \rightarrow bypass immediately

Scalability, Battery & Charging

- Runtime can scale from internal batteries (1-3kVA) to external battery cabinets (RC Series)
- Charging / recharge (to 90% capacity): 1-3kVA: 4 hours
- Charging current: 1-3kVA: max 6A (long-run models) / 1.4A (standard models)
- Configurable battery setup: 1-3kVA: 6/8/12 blocks
- Hot-swappable internal batteries (1-3kVA models)

Optional Accessories

- External Battery Cabinets for extended runtime
- External maintenance bypass PDU options: RM11E-PDU1100E
- Optional cards (via TM220 intelligent slot): SNMP / RS-485 / Relay (BMS/SCADA integration)
- Rack Rail Kit (Optional): Adjustable 19" rack-mount rails for secure installation of the RM11E UPS (2U)



Relay card

SNMP



Multifunctional bracket



Rail Kit

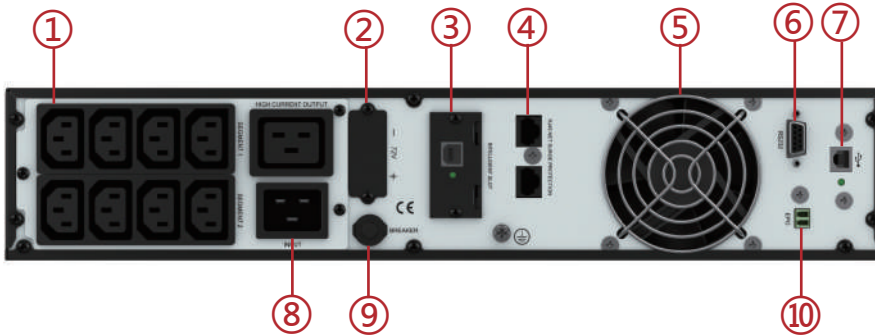


The LCD panel can be rotated

Note: Specifications are model-specific. Optionals (e.g., parallel kit, bigger charger, communications cards, accessories) are not supplied by default and vary by SKU/order. Final deliverables and configurations are defined only by ATENCO's formal quotation and the customer's confirmed model/options.

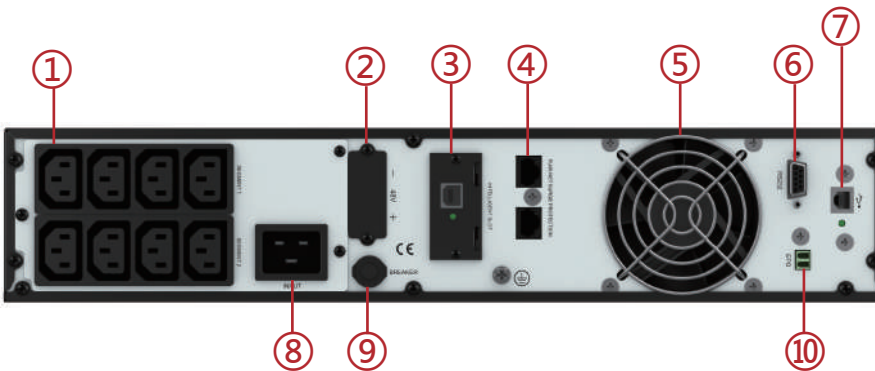
Rear Panel

RM11E-1kVA-L/S



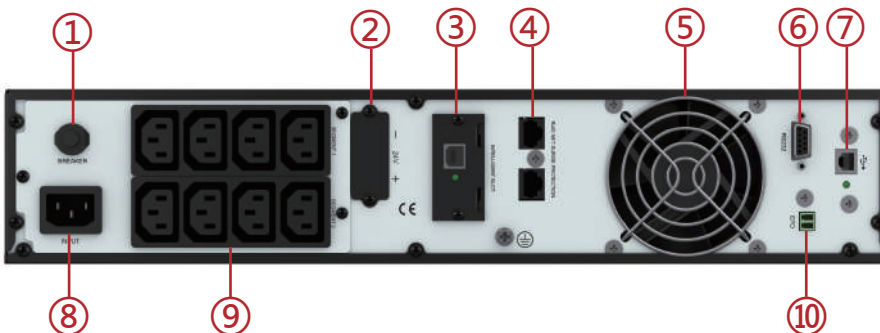
1. Output Socket
2. External Battery Connector
3. SNMP Intelligent Slot
4. RJ45 NET Surge Protection
5. Fan
6. RS232
7. USB Port
8. Main Input Socket
9. Breaker
10. EPO "Emergency Power Off"

RM11E-2kVA-L/S



1. Output Socket
2. External Battery Connector
3. SNMP Intelligent Slot
4. RJ45 NET Surge Protection
5. Fan
6. RS232
7. USB Port
8. Main Input Socket
9. Breaker
10. EPO "Emergency Power Off"

RM11E-3kVA-L/S



1. Breaker
2. External Battery Connector
3. SNMP Intelligent Slot
4. RJ45 NET Surge Protection
5. Fan
6. RS232
7. USB Port
8. Main Input Socket
9. Output Socket
10. EPO "Emergency Power Off"

RM11E 1-3kVA Technical Specifications

		RM11E Series															
Model		RM11E-1kVA-24L RM11E-1kVA-36L		RM11E-1kVA-24S RM11E-1kVA-36S RM11E-1kVA-2X9 RM11E-1kVA-3X9		RM11E-2kVA-48L RM11E-2kVA-72L		RM11E-2kVA-48S RM11E-2kVA-72S RM11E-2kVA-4X9 RM11E-2kVA-6X9		RM11E-3kVA-72L RM11E-3kVA-96L		RM11E-3kVA-72S RM11E-3kVA-6X9					
Capacity		1000VA/900W				2000VA/1800W				3000VA/2700W							
INPUT																	
Nominal voltage		208/220/230/240Vac															
Input voltage range		110~300Vac (176~264Vac @ 100% load)															
Power factor		≥0.99															
FREQUENCY																	
Frequency range		40~70Hz (50/60Hz Auto-Sensing)															
OUTPUT																	
Voltage		208/220/230/240Vac															
Voltage regulation		±1%															
Power factor		0.9 (optional 1.0)															
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		90.9%				92%				92.3%							
BATTERY																	
Quantity		2	3	2	3	4	6	4	6	6	8	6					
Capacity (Standard unit)		9Ah/12V (7Ah/12V optional)															
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		1.4A		6A		1.4A		6A		1.4A					
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×D×H		440×325×86.5mm			440×460×86.5mm		440×600×86.5mm		440×460×86.5mm		440×600×86.5mm						
Net weight		5.6kg		11.3kg		14kg		10.5kg		19.5kg		25kg		11kg		26kg	
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/EN 62040-1, IEC/EN 62477-1															
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)															

*When output voltage is 208Vac, need to derate to 80% of the unit capacity.

Disclaimer: Products are continuously improved and updated. As a result, actual product specifications may differ from promotional or technical materials due to asynchronous revisions. This document is provided for reference only and does not constitute an offer, warranty, or commitment.

RC 1-3kVA battery pack specification

	Rack Cabinet				
Model	RC04024E RC04024E-B	RC06036E RC06036E-B	RC08048E RC08048E-B	RC12072E RC12072E-B	RC08096E RC08096E-B
BATTERY SYSTEM					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharging time	6~8 hours (To 90% of full capacity)				
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Charging current (Max.)	2A (optional)				
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
PHYSICAL					
Dimension W×D×H	440×430×86.5mm		440×550×86.5mm	440×710×86.5mm	440×550×86.5mm
Net weight	17.4kg	22.5kg	31.5kg	44kg	31.5kg
ENVIRONMENT					
Safety	CE				
Operating environment	0°C~40°C				
Relative humidity	0~95% (Non condensing)				
Noise level	< 40dB at 1 Meter				



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