



ATENCO POWER TECH CO. LTD

A large, dark blue rectangular image showing a close-up of a cooling tower's mesh surface. The mesh is covered in small, glowing green and yellow particles, possibly representing steam or chemical droplets. The image is framed by a thick blue border and is positioned in the center of the page.

*Solutions behind the power*

1:1



95.5%

Online (VFI)  
efficiency\*

10A

Maximum charging\*

3-Level

IGBT Inverter

PF=1.0

kVA=kW

110/125/150%

Overload (60/10/1 min)

4× (N+X)

Parallel Redundancy  
6/10kVA

## Unity Power. 3-Level IGBT.

3-Level IGBT inverter for cleaner, lower-loss power • Up to 95.5% online efficiency • 10A\* Charger • VRLA battery • Dual input source (Optional)

PF=1.0 • Input PF  $\geq$ 0.99 • THDi  $\leq$ 3% • 0 ms transfer • 40-70Hz • 110-300 Vac • ECO up to 98% • N+X=4 (6/10kVA) • Dual card slots (Optional)

### Applications



ON LINE



Rack/Tower



Datacenter



Finance



E-Medical



Industry



Transport



Education

**RM11E Elite** is ATENCO's high-end 2U rack/tower VFI UPS built on **three-level IGBT** for cleaner, lower-loss power. It delivers **PF 1.0** output with **up to 95.5% online efficiency** (ECO up to 98%) to cut heat, noise, and operating cost. A wide **110-300 Vac** input, **low THDi ( $\leq$ 3%)**, and **zero-transfer** switching protect sensitive servers and edge IT- even on generators.

Battery-flexible by design, the **10A fast charger** speeds recovery with **AGM VRLA** strings. scalable redundancy **N+X up to 4 units**, with smart fan control for quiet operation. **Dual intelligent slots** (optional) rich I/O (USB/RS-232/485, EPO) streamline remote monitoring, integration, and lifecycle management.

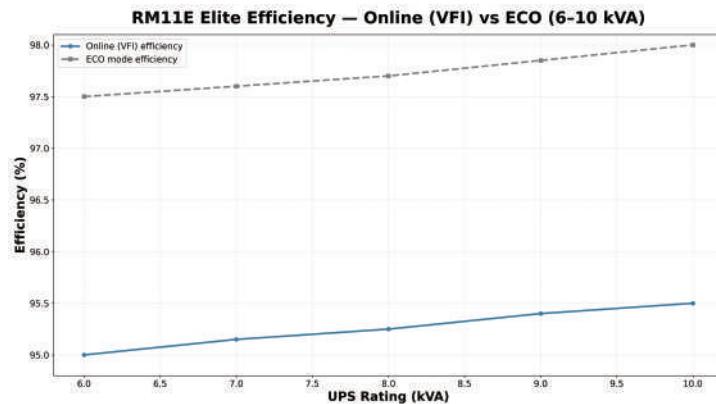
\*Performance may vary by configuration and environment, charger size is based on offered model.

SCAN THE CODE  
TO LEARN MORE



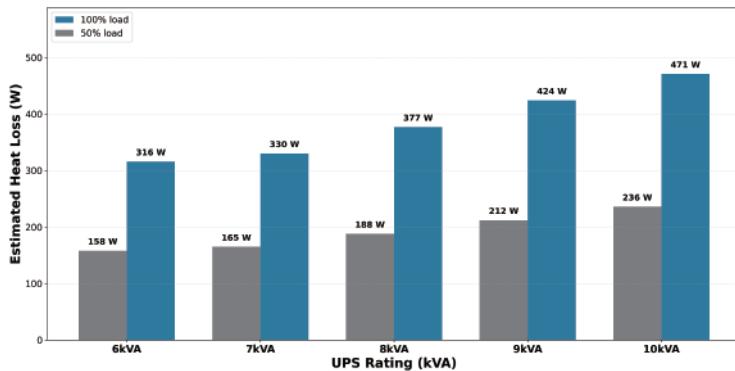
## RM11E Elite Features

- 2U rack/tower chassis 2.4 inch display
- **Optional Rotatable 3.5" LCD/HMI**
- **Dual intelligent slots** (cards optional); USB/RS-232/RS-485/EPO, dry contacts
- **Selectable output** 208/220/230/240 Vac; **40-70Hz**
- **Dual input source** (optional); generator-friendly with surge/EMI filtering
- **Cold start; auto self-test** at startup
- **Intelligent fan control** for low acoustics
- **Protection suite**: short-circuit, overload, over-temp, battery over/under-voltage, fan fault alarms



## Performance

**RM11E Elite Estimated Heat Dissipation @ 50% & @ 100% Load  
PF 1.0, Online (VFI) Mode**



- **PF=1.0 output (kVA=kW)**
- **3-Level IGBT** online double-conversion (full digital control)
- **Up to 95.5% online efficiency; ECO up to 98%**
- **Input PF  $\geq 0.99$ ; THDi  $\leq 3\%$**
- **0 ms transfer (AC $\leftrightarrow$ BAT, INV $\leftrightarrow$ BYP)**
- **$\pm 1\%$  voltage regulation; crest factor 3:1**
- **Low noise: <45 dB (6kVA), <50 dB (10kVA)**

*Internal battery (up to 16x9Ah) is SKU-specific based on ATENCO official offers.*

## Optional Accessories

- **SNMP / Modbus-TCP / Relay** cards (dual-slot)
- **Parallel kit** (6/10kVA)
- **External maintenance bypass** box
- **VRLA battery cabinets** with cabling kits
- **Rack PDUs / Rail kits**

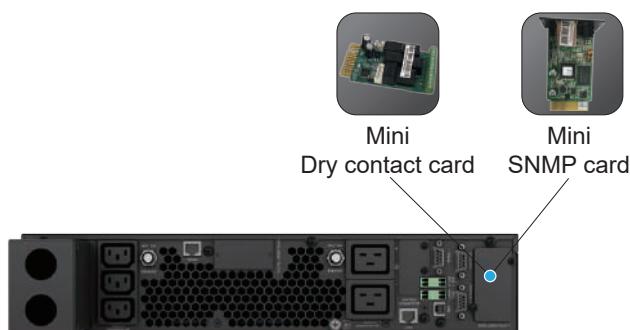
*Options (cards, dual-input, parallel kit, bypass, larger charger, PDUs, accessories) are not standard.*



Multifunctional  
bracket



Rail Kit



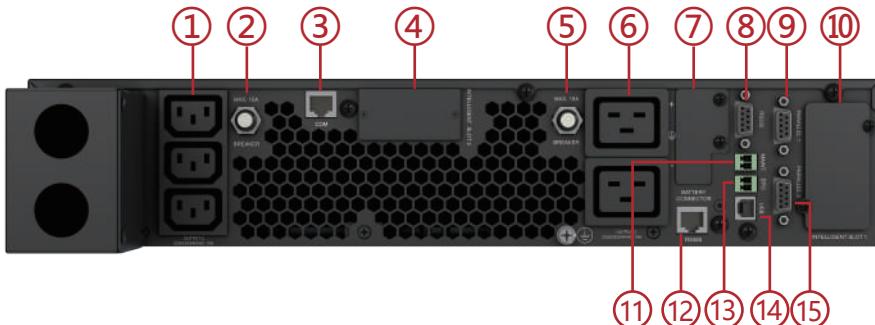
*Note: Specifications are model-specific. Optionals (e.g., parallel kit, bigger charger, communications cards, accessories) are not supplied by default and vary by SKU/order.*

*Final deliverables and configurations are defined only by ATENCO's formal quotation and the customer's confirmed model/options.*

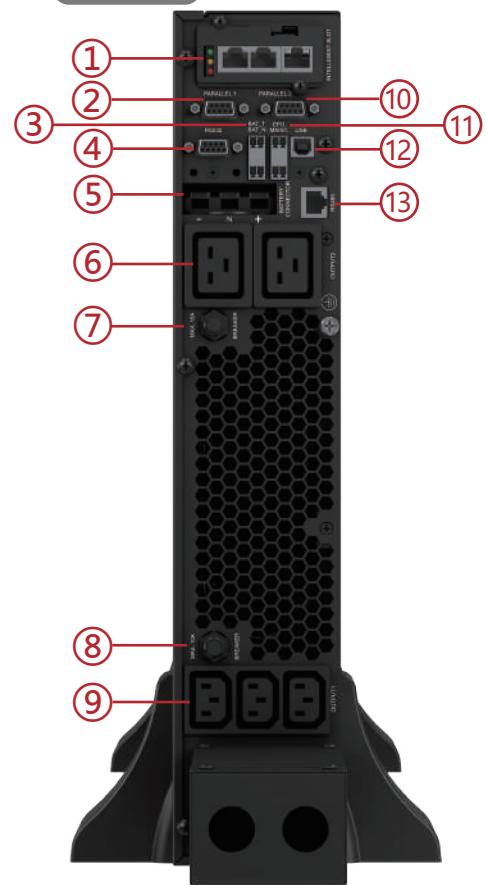
## Rear Panel

RM11E-Elite 6-10kVA-2U

### Option 1



### Option 2



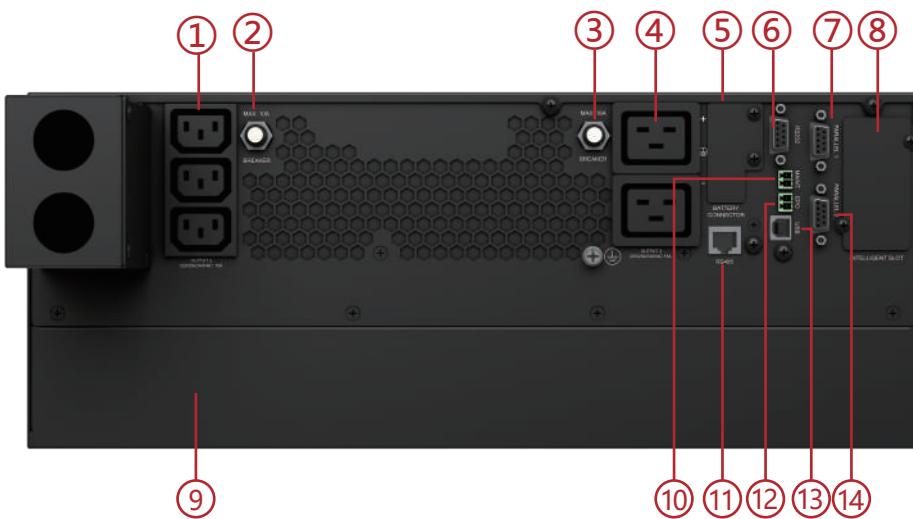
### Option 1

1. Output 2 (220/230/240VAC 10A)
2. Breaker (Max.10A)
3. Communication Port
4. Intelligent Slot 2
5. Breaker (Max.16A)
6. Output 3 (220/230/240VAC 16A)
7. Battery Connector
8. RS232
9. Parallel 1
10. Intelligent Slot 1
11. MAINT
12. RS485
13. EPO
14. USB Port
15. Parallel 2

### Option 2

1. Intelligent Slot
2. Parallel 1
3. BAT\_T/BAT\_N
4. RS232
5. Battery Connector
6. Output 2
7. Breaker (Max.16A)
8. Breaker (Max.10A)
9. Output 1
10. Parallel 2
11. EPO & MAINT
12. USB Port
13. RS485

RM11E-Elite 6-10kVA-4U



1. Output 2 (220/230/240VAC 10A)
2. Breaker (Max.10A)
3. Breaker (Max.16A)
4. Output 3 (220/230/240VAC 16A)
5. Battery Connector
6. RS232
7. Parallel 1
8. Intelligent Slot
9. Internal Battery Space
10. MAINT
11. RS485
12. EPO
13. USB Port
14. Parallel 2

Note:

EPO: Emergency Power Off

MAINT: Maintenance Bypass Sensor - Dry-contact input

BAT\_T/BAT\_N: Battery Sensor

# RM11E Elite Technical Specifications

RM11E Elite Series		
Model	RM11E-6K-EL-B / RM11E-6K-EL-S / RM11E RT6K	RM11E-10K-EL-B / RM11E-10K-EL-S / RM11E RT10K
Capacity	6000VA/6000W	10000VA/10000W
<b>INPUT</b>		
Nominal voltage	208/220/230(Default)/240Vac	
Input voltage range	110~300Vac (110~176Vac@50% load/176~300Vac@100% load)	
Input frequency range	40~70Hz (50/60Hz Auto-Sensing)	
Harmonic distortion(THDi)	≤3%	
Power factor	≥0.99	
Input Connection	HW terminal (L+N+G)	
Bypass voltage range	Max.voltage: 208/220Vac: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: -45% (Optional -10%, -20%, -30%)	
<b>OUTPUT</b>		
Output voltage	208/220/230(Default)/240Vac	
Voltage regulation	±1%	
Output connection	Programmable Non-programmable	C19*2+C13*3 HW terminal (L+N+G)
Power factor		1.0
Output frequency	Online mode Battery mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional) (50/60±0.1%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤1% Linear load ≤3% Non linear load
Transfer time	AC mode to Bat.mode Inverter to Bypass	0ms 0ms
Output waveform		Pure Sinewave
Overload	Online mode Battery mode Bypass mode	Load≤110%, last 60min; ≤125%, last 10min; ≤150%, last 1min; >150%, turn to bypass mode immediately Load≤110%, last 10min; ≤125%, last 1min; ≤150%, last 10 second; >150%, 0.2 second shut down 105%≤load≤130%, only overload alarm; ≤150%, last 10min; ≤200%, last 1min; >200%, 0.2 second shut down
Efficiency	Online mode ECO mode	Up to 95% Up to 97.5%
<b>BATTERY</b>		
Battery voltage	VRLA battery Lithium battery	192/216/240Vdc (Settable) 192Vdc
Charging current (Max.)		8A 10A Charging current adapts to the battery type and battery capacity
<b>INDICATORS</b>		
LED display		Online 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
<b>ALARM</b>		
Battery mode		Beeping every 4 seconds
Battery low		Beeping every second
Overload		Beeping twice every second
Fault		Continuously beeping
<b>PHYSICAL</b>		
Dimension W×D×H		440×621.5×86.5mm
Net weight	15.4kg	17kg
<b>ENVIRONMENT</b>		
Operating temperature		0°C~40°C
Storage temperature		-25°C~55°C
Humidity range		0~95%RH @ 0~40°C (Non condensing)
Altitude		< 1500m, derating required when > 1500m
Noise level*	<45dB at 1 Meter	< 50dB at 1 Meter
<b>STANDARDS</b>		
Safety		CB: IEC 62040-1:2017, CE-LVD: EN 62040-1:2008+A1:2013
EMC		IEC 62040-2-2016, EN 62040-2-2018 C2
Performance		IEC/EN 62040-3

*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 N 6-10kVA battery pack specification

Rack Cabinet (Lead Acid)		
Model	RC16192N / RC16192EL / RC16192EL-B	RC20240N-EL / RC20240N-EL-B
<b>BATTERY SYSTEM</b>		
Battery type	VRLA (Lead acid maintenance free battery)	
Typical battery recharging time	4 hours (To 90% of full capacity)	
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature	
System voltage	192Vdc	240Vdc
Battery quantity	1×16 PCS	1×20 PCS
Capacity	7Ah/9Ah (12V)	
<b>PHYSICAL</b>		
Dimension W×D×H	440×671.5×131mm(3U)	
Net weight	48kg/53kg	58kg/63kg
<b>ENVIRONMENT</b>		
Operating environment	0°C~40°C	
Relative humidity	0~95% (Non condensing)	
Noise level	<40dB at 1 Meter	
<b>STANDARDS</b>		
Safety	UL1778 5th Edition CSA C22.2 NO.107.3-14 CB: IEC 62040-1:2017, CE-LVD: EN 62040-1:2008+A1:2013	

Model remark: RC16192N, "RC" means Rack Cabinet; "16" means battery number inside the Rack;

"192" means the battery system voltage; "N" means battery with neutral connection.



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