

ATLAS -RT Series

1:1 Phase PF 1.0

Power range: 1~10kVA



Intuitive LCD Control Center



- Comprehensive Monitoring
- Smart Adjustable Settings
- Instant Fault Diagnosis

Features

- **Maximized Power Density (PF 1.0):** Delivers 100% real power (kVA=kW). The 6-10kVA models feature an ultra-compact 2U power module (only 385mm depth), saving valuable rack space.
- **Advanced 3-Level Inverter:** Utilizes cutting-edge three-level and soft-switching technology to minimize energy loss, achieving up to 95.5% online efficiency and 98.5% in ECO mode.
- **Scalable Battery Runtime:** Freely connect up to 15 external battery packs in parallel. This flexible configuration easily meets diverse and extended backup time requirements.
- **Smart 1A-12A Charger:** Fully adjustable charging current optimizes recharge time and protects battery health, easily accommodating different battery capacities.
- **Streamlined Maintenance:** Standardized PCBA design across standard and long-backup models simplifies servicing, improves reliability, and reduces spare parts inventory.
- **Ultra-Wide Input (110V-300V):** Operates flawlessly on unstable grids and is fully compatible with onsite generators (50/60Hz ± 10 Hz), reducing unnecessary battery discharges.
- **Comprehensive LCD Display:** Real-time monitoring of load, battery, and power metrics with smart adjustable settings for voltage and frequency directly from the screen.

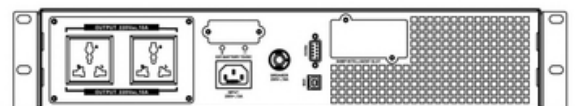


Rack/Tower Conversion Kit

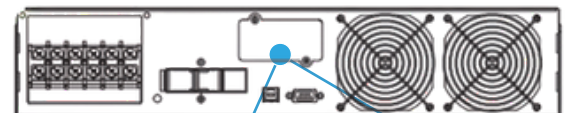


Rotatable LCD Control Panel

1-3kVA Rear Panel



6-10kVA Rear Panel



Dry contact card



SNMP card

Technical Specifications

Model	AT-RT-1K	AT-RT-1KL	AT-RT-2K	AT-RT-2KL	AT-RT-3K	AT-RT-3KL	AT-RT-6K	AT-RT-6KL	AT-RT-10K	AT-RT-10KL
Capacity (VA/W)	1000VA / 1000W		2000VA / 2000W		3000VA / 3000W		6000VA / 6000W		10000VA / 10000W	
DC Voltage	24V/36VDC		48V/72VDC		72V/96VDC		192VDC / 240VDC (16/18/20pcs adjustable)		192VDC / 240VDC (16/18/20pcs adjustable)	
Internal Battery (Standard)	2 × 7Ah	N/A	4 × 7Ah	N/A	6 × 7Ah	N/A	16~20 × 7Ah	N/A	16~20 × 7Ah	N/A
Max. Efficiency	94.50%		95.50%		95.50%		95.50%		95.50%	
UPS Module Dimensions (W×D×H mm)	438 × 410 × 88 (2U)		438 × 510 × 88 (2U)		438 × 630 × 88 (2U)		438 × 385 × 88 (2U Compact)		438 × 385 × 88 (2U Compact)	
Battery Pack Dimensions (W×D×H mm)	Internal	External	Internal	External	Internal	External	438 × 690 × 88 (2U)		438 × 690 × 88 (2U)	
Net Weight (UPS Module)	~ 12 kg		~ 18 kg		~ 24 kg		~9.5 kg		~10.25 kg	

GENERAL SPECIFICATIONS

INPUT & OUTPUT

- **Input Voltage Range:** 110300VAC (110176VAC power limited; Extreme grid adaptability)
- **Input Frequency:** 50/60Hz ±6Hz or ±10Hz (Auto-sensing, Generator compatible)
- **Input Power Factor:** ≥ 0.99
- **Input Harmonic Distortion:** ≤ 5% THD (Linear load)
- **Output Voltage:** 208/220/230/240VAC (Settable via LCD)
- **Output Power Factor:** 1.0
- **Transfer Time:** 0ms (AC to Battery)
- **Waveform:** Pure Sinewave (THDv ≤ 2% for Linear load)

BATTERY & MANAGEMENT

- **Charging Current:** 1A-12A Adjustable (Optimizes battery lifespan)
- **Overload Capacity:** 110%~130% for 10 mins; >150% for 200ms (High resilience)
- **ECO Mode:** Up to 98.5% energy-saving efficiency
- **Battery Type:** Sealed Lead Acid (Standard) / External Battery Bank (Long-run)

COMMUNICATION & ENVIRONMENT

- **Interfaces:** 1×USB, 1×RS232, 1×EPO (Intelligent Slot for SNMP/Dry Contact optional)
- **Operating Temp:** 0~40°C
- **Humidity:** 20%~95% (Non-condensing)
- **Altitude:** <1000m (Derating applied above 1000m, max 4000m)
- **Standards:** EN/IEC 62040, EN/IEC 61000 compliant

Note: 'L' models denote Long-Backup versions requiring external battery banks. Product specifications are subject to change without notice.