



AR SMART Tower
1000-3000 VA

AR SMART RT
1000-3000 VA



AR SMART Tower - AR SMART RT

- Online Double-Conversion technology (VFI) from 1000VA to 3000VA with a power factor 0.9.
- Easy installation.
- Low running costs with selectable high-efficiency (VFI) and ECO modes.
- User-friendly downloadable monitoring software supporting the main OS providing monitoring functions, diagnostics and automatic controlled shutdown of connected loads.
- High overload capacity.
- Constant voltage constant frequency (CVCF) output mode offering maximum protection to sensitive loads.
- Wide input voltage and frequency ranges reducing battery switching resulting in maximum service life.
- Configurable battery reserve percentage from 3% to 100% of available capacity.
- Backup of at least 60 minutes, residual charge control in accordance with CEI 0-16.
- Cold start.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off with remote option.
- RS232, USB and mini slot to accept optional communication cards.
- Supplied with input and output power cables

Key options

- Communication cards to include RS-485 Modbus, SNMP/web and relay interface with programmable dry contacts to integrate with various systems, such as BMS, PLC, SCADA and AS400.
- External manual bypass panels with additional sockets.

The AR SMART offering premium quality in its simplest format and perfect for POS, small network applications and IT equipment. With its advanced technology, battery life expectancy is maximised whilst delivering exceptional system efficiency and performance.

AR SMART Tower 1000-3000 VA



AR SMART RT 1000-3000 VA

With its rotating display panel, the system easily adapts from rack to tower in seconds.



Applications

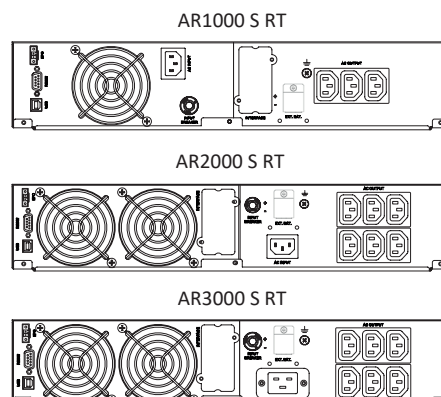
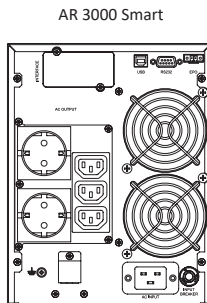
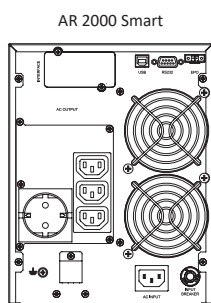
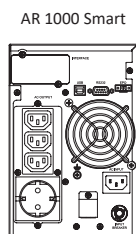
- High-end PCs
- Workstations and servers
- Server rooms and micro data centres
- Electromedical equipment
- Network and telecommunications equipment
- Medium-voltage substations
- PLC control cabinets
- BMS and SCADA systems
- Video surveillance, security and IoT devices

AR SMART Tower - AR SMART RT

AR SMART TOWER - AR SMART RT TECHNICAL DATA SHEET

MODEL			AR1000 S	AR2000 S	AR3000 S	AR1000 S RT	AR2000 S RT	AR3000 S RT
POWER	VA		1000	2000	3000	1000	2000	3000
	W		900	1800	2700	900	1800	2700
INPUT	Rated voltage*		110 – 300 Vac					
	Frequency		44 – 66 Hz					
	Power factor		≥0.98					
OUTPUT	Rated voltage		200/208/220/230/240 Vac					
	Voltage distortion		≤3% with linear load I, ≤4% with distorting load					
	Voltage stability		±1%					
	Frequency		50/60 Hz (selectable)					
	Frequency stability		±1 Hz or ±3 Hz (selectable)					
	Power factor		0.9					
	Crest factor		3:1					
	Waveform		Pure sine wave					
	Output sockets		3 x IEC C13 1 Schuko	3 x IEC C13 1 Schuko	3 x IEC C13 2 Schuko	3 x IEC C13	6 x IEC C13	6 x IEC C13
EFFICIENCY	VFI mode		>89%	>90%	>91%	>89%	>90%	>91%
	ECO mode		>96%					
GENERAL	Dimensions (WxDxH) mm		147x308x224	192x425.8x249.9		440x455x88	440x600x88	
	Weight (kg)		11.7	23.9	32.9	14.6	25.8	34.8
	Alarms		Audible and visual alarm alerts for: power failure, low battery, bypass transfer, and UPS fault					
	Protection		Overload, overheating, short circuit, deep discharge, battery overcharging					
	Operating mode		Multi-mode: VFI, ECO, Constant voltage constant frequency (CVCF) output.					
	Cold start from the battery without mains power		Included					
BATTERY	Battery type		12V VRLA, AGM (maintenance-free lead)					
	Number per string		2	4	6	2	4	6
	Uptime with internal battery in minutes	50% load	9	9	10	9	9	10
		75% load	3	3	3	3	3	3
	Charging time (90%)		6 – 8 hours					
ENVIRONMENTAL PARAMETERS	Operating temperature**		0 – 40°C					
	Relative humidity		0% – 90% (without condensing)					
	Altitude (a.s.l.)		<1000 m with no power derating, >1000 m with 1% derating for every 100 m.					
	Audible noise at 1 m.		≤45 dBA	≤50 dBA		≤45 dBA	≤50 dBA	
CONNECTIVITY	Built-in communication ports		USB, RS232, EPO and additional slots for optional cards					
	User interface		LCD and function keys (parameters: voltage, frequency, load percentage, battery voltage, output voltage, UPS temperature).					
	Optional accessories		Cards: SNMP, RS485 ModBus, and dry contact relays					
	Compatible software platforms		Microsoft Windows, Linux, Mac OS, VMware					
REGULATIONS	Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3					
	Marking		CE, UKCA					

* Depending on the load ** To be verified according to the battery parameters





AR PRO Tower
1000VA - 3000VA

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1000VA - 3000VA

SINGLE-PHASE ONLINE UPS



OD PLUS • OD H
1000VA - 3000VA



MSIII Tower
6000VA - 10000VA



MSIII RT 1/1
6000VA - 10000VA



MSII RT 3/1
10000VA - 20000VA



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