

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

