ARES TECHNICAL DATA SHEET

MODEL			ARES 1000	ARES 2000	ARES 3000
UPS	VA		1000	2000	3000
	W		900	1800	2700
INPUT	Rated voltage*		110 – 300 Vac		
	Frequency		44 – 66 Hz		
	Power factor		>0.99		
OUTPUT	Rated voltage		200/208/220/230/240 Vac		
	Voltage distortion		<3% with linear load I, <7% 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		2 x IEC C13 2 Schuko	4 x IEC C13 2 Schuko	6 x IEC C13 1 x IEC C19 lockable 1 Schuko
EFFICIENCY	VFI mode		Up to 92%		
	ECO mode		Up to 97%		
GENERAL	Dimensions (WxDxH) mm		154x382x211	192x470x250	192x451x319.9
	Weight (kg)		11.6	22.2	29.8
	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)		
	Uptime with internal battery in minutes	50% load	14	15	12
		100% load	5	5	4
	Charging time (90%)		4 – 6 hours		
	Battery expansion module dimensions (WxDxH) mm **		154x403.6x258.2	192x552.8x319.9	
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.		≤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, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).		
	Optional accessories		Cards: SNMP, RS485 ModBus and dry relay contacts		
	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   ** Battery weight and configuration depends on the required uptime   *** To be verified according to the battery parameters
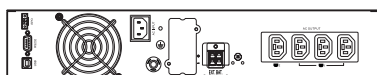
ARES 1000/2000/3000
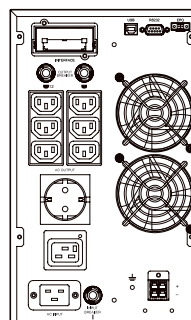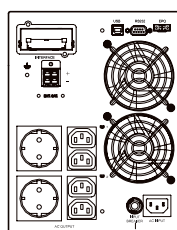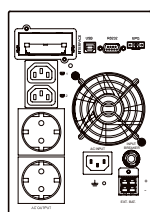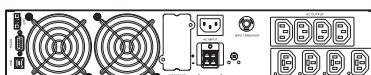
ARES - ARES RT

ARES RT TECHNICAL DATA SHEET

MODEL		ARES 1000RT	ARES 2000RT	ARES 3000RT
POWER	VA	1000	2000	3000
	W	900	1800	2700
INPUT	Rated voltage*	110 – 300 Vac		
	Frequency	44 – 66 Hz		
	Power factor	>0.99		
OUTPUT	Rated voltage	200/208/220/230/240 Vac		
	Voltage distortion	<3% with linear load, <7% 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	4 x IEC C13 lockable	4 x IEC C13 standard 4 x IEC C13 lockable	1 x IEC C19 lockable 2 x IEC C13 standard 4 x IEC C13 lockable
EFFICIENCY	VFI mode	Up to 92%		
	ECO mode	Up to 97%		
GENERAL	Dimensions (WxDxH) mm	440x405x88 (2U)	440x600x88 (2U)	440x600x88 (2U)
	Weight (kg)	11.7	21.8	24.6
	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)		
	Uptime with internal battery in minutes — 50% load	14	15	12
	Uptime with internal battery in minutes — 100% load	5	5	4
	Charging time (90%)	4 – 6 hours		
	Battery expansion module dimensions (WxDxH) mm **	440x430x88(2U)	440x581x88 (2U)	
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.	≤50 dBA		
CONNECTIVITY	Built-in communication ports	USB, RS232, EPO and additional slots for optional cards		
	User interface	LED, LCD and function keys (parameters: voltage, frequency, percentage load, battery voltage, output voltage, estimated uptime, UPS temperature).		
	Optional accessories	Cards: SNMP, RS485 ModBus and dry relay contacts		
	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   ** Battery weight and configuration depends on the required uptime   *** To be verified according to the battery parameters

ARES 1000 RT

ARES 2000 RT

ARES 3000 RT