![Ablerex logo]

ARES RT - ODIN RT TECHNICAL DATA SHEET

MODEL		ARES 1000RT	ARES 2000RT	ARES 3000RT	ODIN 2000RT	ODIN 3000RT
POWER	VA	1000	2000	3000	2000	3000
	W	900	1800	2700	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	6 x IEC C13	6 x IEC C13 1 x IEC C19
EFFICIENCY	VFI mode	Up to 92%				
	ECO mode	Up to 97%				
GENERAL	Dimensions (LxDxH) mm	440x405x88 (2U)	440x600x88 (2U)	440x600x88 (2U)	440xx432x132 (3U)	440x432x176 (4U)
	Weight (kg)	11.7	21.8	24.6	23	25
	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: VFl, 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	15	12
	Uptime with internal battery in minutes — 100% load	5	5	4	5	4
	Charging time (90%)	4–6 hours				
	Battery expansion module dimensions (LxDxH) mm **	440x430x88(2U)	440x581x88 (2U)		440x430x176 (4U)	
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
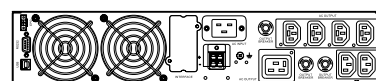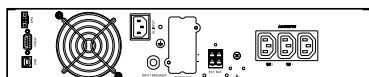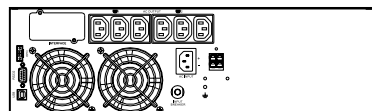
ARES 1000 RT
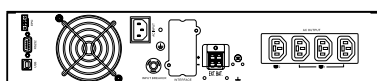
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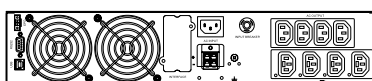
ARES 3000 RT

ODIN 1000 RT

ODIN 2000 RT

ODIN 3000 RT