

ARES RT PLUS ODIN RT PLUS

MAXIMUM ONLINE (VFI) PROTECTION
FOR ALL KINDS OF RACK CABINET

1000VA – 3000VA

Ares RT Plus and Odin RT Plus are ideal for applications that require extended battery operation and for medium-voltage substations. Its advanced technology maximises battery life and ensures high efficiency.



IDEAL FOR



Servers and
networking



Telecommunications



Medium-voltage
substations



Electro-medical
equipment



Industrial
applications



Safety
systems

FEATURES

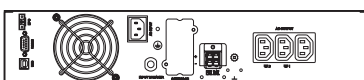
- Online double conversion technology (VFI) from 1000 VA to 3000 VA with a power factor of 0.9.
- Versatile: the display panel can be turned to transform the rack into a tower and the small depth of the Odin RT and low height of the Ares RT make them suitable for rack cabinets.
- Easy to install.
- Low running costs: the high efficiency VFI and ECO features minimise energy consumption.
- High uptime expandability.
- User-friendly monitoring software can be downloaded free and is compatible with the main operating systems, for: monitoring functions, diagnostics, controlled shutdown of loads in the event of blackouts.
- High overload handling capacity.
- Constant voltage constant frequency (CVCF) output mode for maximum protection of particularly sensitive loads (e.g. electro-medical equipment).
- Wide input voltage and frequency ranges reduce battery switching, thereby increasing battery life and efficiency.
- Option to set the percentage residual battery charge from 3% to 100% of the available capacity.
- Accurate calculated remaining uptime is shown on the display.
- Two sets of IEC sockets that can be programmed separately.
- Cold start.
- Firmware can be upgraded easily to implement new features.
- EPO and On/Off, with remote option.
- RS232 and USB ports, slots for optional communication cards.
- Supplied with input and output power cables.

KEY OPTIONS

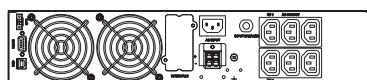
- Cards: RS485, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- External manual bypass with additional sockets.
- External battery cabinets.

BACK PANEL

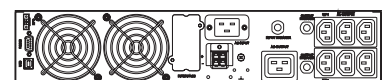
AR 1000 RT Plus



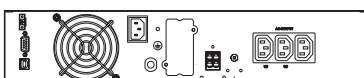
AR 2000 RT Plus



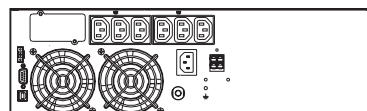
AR 3000 RT Plus



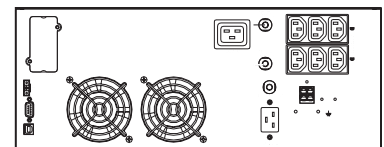
ODIN 1000 RT Plus



ODIN 2000 RT Plus



ODIN 3000 RT Plus



ARES RT PLUS / ODIN RT PLUS TECHNICAL DATA SHEET

MODEL			AR1000 RT Plus	AR2000 RT Plus	AR3000 RT Plus	ODIN1000 RT Plus	ODIN2000 RT Plus	ODIN3000 RT Plus
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		>0.99					
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		3 x IEC C13	6 x IEC C13	6 x IEC C13 1 x IEC C19	3 x IEC C13	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 (WxDxH) mm		440x405x88 (2U)	440x600x88 (2U)	440x600x88 (2U)	440x405x88 (2U)	440xx432x132 (3U)	440x432x176 (4U)
	Weight (kg)		11.7	21.8	24.6	11.7	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: 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 min).	50% load	14	15	12	14	15	12
		100% load	5	5	4	5	5	4
	Charging time (90%)		4–6 hours					
Battery expansion module dimensions (WxDxH)**		440x430x88(2U)	440x581x88 (2U)			440x430x88(2U)	440x430x176 (4U)	
ENVIRONMENTAL PARAMETERS	Operating temperature***		0–40°C					
	Relative humidity		0%–90% (non-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, load percentage, 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					

Data may be subject to change without notice due to our commitment to continuous innovation - rev 22_06

* Depending on the load

** Battery weight and configuration depends on the required uptime

*** To be verified according to the battery parameters