



AR PLUS Tower
1000-3000 VA

AR PLUS RT
1000-3000 VA



AR PLUS Tower - AR RT PLUS

ARES and ODIN are the ideal UPS for applications that require extended battery operation and for medium-voltage substations in accordance with CEI 0-16.

Their advanced technology maximises battery life and ensures high efficiency.

AR PLUS Tower 1000-3000 VA

For applications that require tower models.



AR PLUS RT 1000-3000 VA

Suitable for all rack types including compact. RT models with lockable sockets are extremely versatile: the rotating display panel means they can be easily transformed into tower versions.



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

Special applications

Medium-voltage substations and control cabinets (PLC)

Ablerex has a solution whenever you need residual battery capacity. With Ablerex firmware, you can be sure that the UPS always has enough battery capacity to be turned on again and power the load.

Benefits

- Built-in feature that is free and easy to implement.
- Backup of at least 60 minutes, residual charge control in accordance with CEI 0-16.
- Easily customisable residual battery capacity.
- Cold UPS start-up.
- Battery alarm and residual backup time indicator.
- Maximises battery protection and life.

To ensure in any conditions 24/7 opening of electric shutters or doors of shops, bars, restaurants, warehouses and service businesses

If an electric shutter is protected by a UPS, and for some reason the mains circuit breaker trips or there is no power, the open/close mechanisms cannot be operated. The "remote on/off" option means that the Ablerex UPS can be switched on even without mains power so the electric shutter can be opened or closed.

Benefits

- Option that is easy to implement on request.
- Reduces TCO by avoiding the need to overdimension the UPS and batteries to overcome long periods without power (e.g. when closing a business for holidays).
- Maximises battery protection and life.

AR PLUS Tower - AR PLUS RT

- Online double conversion technology (VFI) from 1000 VA to 3000 VA with a power factor of 0.9.
- 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 principle 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 option without mains power.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off, with remote option.
- RS232 and USB ports, slots for additional communication cards.
- Suitable for CEI 0-16 applications.
- Supplied with input and output power cables.

Key options

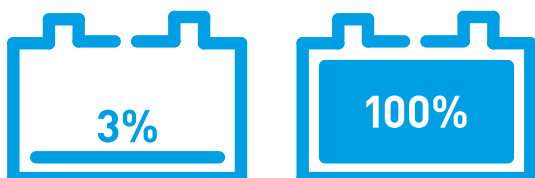
- Cards: RS485, SNMP/web and relay card with dry contacts to send the UPS status to various systems, such as BMS, PLC, SCADA and AS400.
- External manual bypass with additional sockets.
- External battery cabinets.
- Rack mounting rail kit for RT models.

Longer battery life

- Set the battery discharge level (3-100%) with the free software.

Battery reserve management

- The UPS turns off when it reaches the set residual battery charge level.
- The UPS can be switched on again manually even without mains power.



Indicative input power of various devices (you are advised to check actual input power)

- Router 30 W • POS + Cash register 50 W • NAS 60 W • 43" TV 100 W • Inkjet printer / Scanner 180 W • Desktop PC + 21" LCD monitor 250 W • Desktop Gaming PC + 24" LCD monitor 500 W • High-end dual-processor PC + 32" LCD monitor 800 W • Rack/ tower server from 300 to 1000 W • Video game console 140 W

Uptime table

Consulting the summary table below will let you quickly identify a model based on the total VA/W consumption of the devices to be protected.

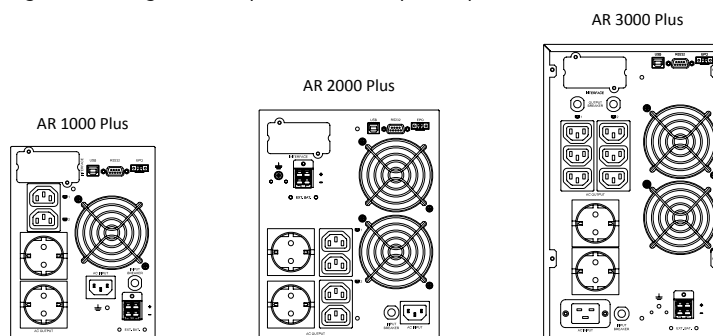
ARES Online			
Model	1000 VA	2000 VA	3000 VA
UPS power in W	900	1800	2700
Device input power in Watts	Uptime in minutes	Uptime in minutes	Uptime in minutes
52,5	> 90	> 90	> 90
105	60	90	> 90
210	33	72	> 90
315	20	50	65
455	14	33	42
595	9	21	31
700	7	18	26
900	5	15	18
1050		12	15
1225		9	13
1400		7	12
1800		5	8
2100			6
2700			4

AR PLUS Tower - AR PLUS RT

AR PLUS TOWER TECHNICAL DATA SHEET

MODEL		AR1000 PLUS	AR2000 PLUS	AR3000 PLUS	
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			
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



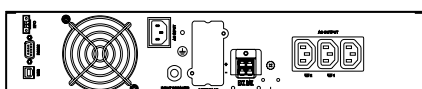
AR PLUS Tower - AR RT PLUS

AR PLUS RT TECHNICAL DATA SHEET

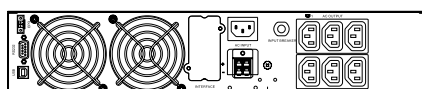
MODEL		AR 1000RT	AR 2000RT	AR 3000RT	
POWER	VA	1000	2000	3000	
	W	900	1800	2700	
INPUT	Rated voltage*	110 – 300 Vac			
	Frequency	44 – 66 Hz			
	Power factor	>0.99			
OUTPUT	Rated voltage	200/208/220/230/240 Vac			
	Voltage distortion	<3% with linear load, <7% with distorting load			
	Voltage stability	±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
		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

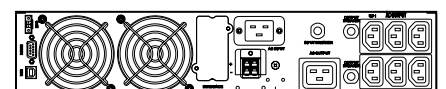
AR1000 RT Plus



AR2000 RT Plus



AR3000 RT Plus





Online UPS for maximum protection and longer uptime of critical devices for small, medium and large businesses



AR PLUS Tower
1000VA - 3000VA



AR PLUS RT • OD PLUS
1000VA - 3000VA



OD H
1000VA - 3000VA

SINGLE-PHASE ONLINE UPS



MSIII Tower
6000VA - 10000VA



MSIII RT 1/1
6000VA - 10000VA



MSII RT 3/1
10000VA - 20000VA



Rev.2024/06 - Our commitment to continuous innovation means that catalogue data may be subject to change without notice

AblereX Electronics Italy srl

Viale Milanofiori · Strada 6 · Palazzo N1
20089 Rozzano (MI)
info@ablereX.eu · Tel. +39 02 36696420
www.ablereX.eu

AblereX Electronics Ltd

19 The Circle Queen Elizabeth Street,
London, Greater London SE1 2JE - UK
info@ablereX.uk · Ph. +44 (0) 7920 058834
www.ablereX.uk