Ablerex

every moment counts

AR PRO Tower

1000-3000 VA

AR PRO RT

1000-3000 VA

SINGLE-PHASE ONLINE UPS

AR PRO Tower - AR RT PRO

ARES PRO is 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 PRO Tower 1000-3000 VA

For applications that require tower models.

AR PRO 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.

Specifications subject to change without notice - Rev. 2025/02

SINGLE-PHASE ONLINE UPS

AR PRO Tower - AR PRO RT

- Online Double-Conversion technology (VFI) from 1000VA to 3000VA with a power factor 1.
- Lithium battery ready.
- Flexible design offering both rack or tower installation with rotating display panel to suit.
- Easy installation.
- Low running costs with selectable high-efficiency (VFI) and ECO modes.
- Extended autonomies for maximum availability via external battery banks.
- User-friendly downloadable monitoring software supporting the main OS providing monitoring functions, diagnostics and automatic controlled shutdown of connected loads.
- Constant voltage constant frequency (CVCF) output mode offering maximum protection to sensitive loads.
- High overload capacity.
- Wide input voltage and frequency ranges reducing battery switching resulting in maximum service life.
- Configurable battery reserve percentage from 3% to 100% of available capacity.
- Real-time battery autonomy remaining available through the display.
- Two sets of IEC sockets that can be programmed separately.
- Cold start.
- Firmware can be upgraded easily to implement new features.
- EPO or On/Off with remote option.
- RS232, USB and mini slot to accept optional communication cards.
- Supplied with input and output power cables.

Key options

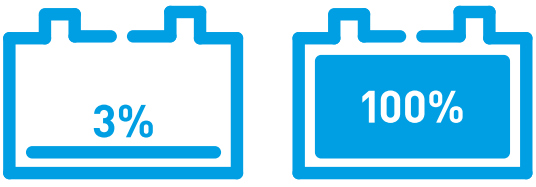
- Communication cards to include RS-485 Modbus, SNMP/web and relay interface with programmable dry contacts to integrate with various systems, such as BMS, PLC, SCADA and AS400.
- External manual bypass panels with additional sockets.
- External battery cabinets.
- Lithium battery upgrade.
- 8A super charger.
- Smart Ambient Temperature Detector
- Temperature compensation.

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	1000	2000	3000
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

Specifications subject to change without notice - Rev. 2025/02

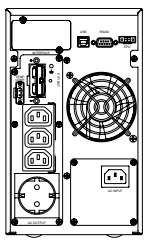
AR PRO Tower - AR PRO RT

AR PRO TOWER TECHNICAL DATA SHEET

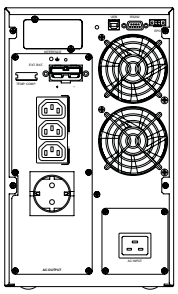
MODEL			AR1000 PRO	AR2000 PRO	AR3000 PRO
POWER	VA		1000	2000	2000
	W		1000	2000	2000
INPUT	Rated voltage*		110 – 300 Vac		
	Frequency		44 – 70 Hz		
	Power factor		>0.99		
OUTPUT	Rated voltage		200/208/220/230/240 Vac		
	Voltage distortion		<2% with linear load l, <3.5% with distorting load		
	Voltage stability		±1%		
	Frequency		50/60 Hz (selectable)		
	Frequency stability		±1 Hz or ±3 Hz (selectable)		
	Power factor		1		
	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 1 x IEC C19 2 Schuko
EFFICIENCY	VFI mode		Up to 93%		
	ECO mode		Up to 98%		
GENERAL	Dimensions (WxDxH) mm		154x445x258.2	192x620x319.9	192x620x319.9
	Weight (kg)		14.7	24.1	26.3
	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		3	6	
	Uptime with internal battery in minutes	50% load	10	11	9
		100% load	3	3	2
	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

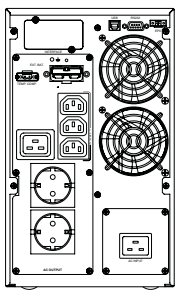
AR1000 PRO



AR2000 PRO



AR3000 PRO



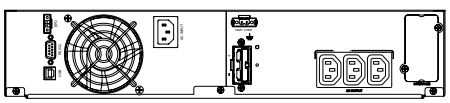
AR PRO Tower - AR RT PRO

AR RT PRO TECHNICAL DATA SHEET

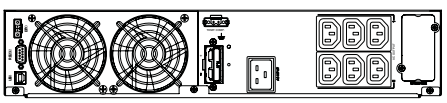
MODEL			AR1000 RT PRO	AR2000 RT PRO	AR3000 RT PRO
POWER	VA		1000	2000	3000
	W		1000	2000	3000
INPUT	Rated voltage*		110 – 300 Vac		
	Frequency		44 – 66 Hz		
	Power factor		>0.99		
OUTPUT	Rated voltage		200/208/220/230/240 Vac		
	Voltage distortion		<3% with linear load, <7% with distorting load		
	Voltage stability		±1%		
	Frequency		50/60 Hz (selectable)		
	Frequency stability		±1 Hz or ±3 Hz (selectable)		
	Power factor		1.0		
	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
EFFICIENCY	VFI mode		Up to 93%		
	ECO mode		Up to 98%		
GENERAL	Dimensions (WxDxH) mm		440x454x88 (2U)	440x640x88 (2U)	440x640x88 (2U)
	Weight (kg)		15.8	24.4	27
	Alarms		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		3	6	
	Uptime with internal battery in minutes	50% load	10	11	9
		100% load	3	3	2
	Charging time (90%)		5 hours		
	Battery expansion module dimensions (WxDxH) mm **		440x454x88(2U)	440x640x88 (2U)	
ENVIRONMENTAL PARAMETERS	Operating temperature***		0 – 40°C		
	Relative humidity		0% – 95% (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, load percentage, battery voltage, output voltage, estimated uptime, 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 ** Battery weight and configuration depends on the required uptime *** To be verified according to the battery parameters

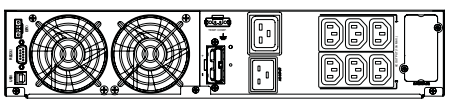
AR1000 RT PRO

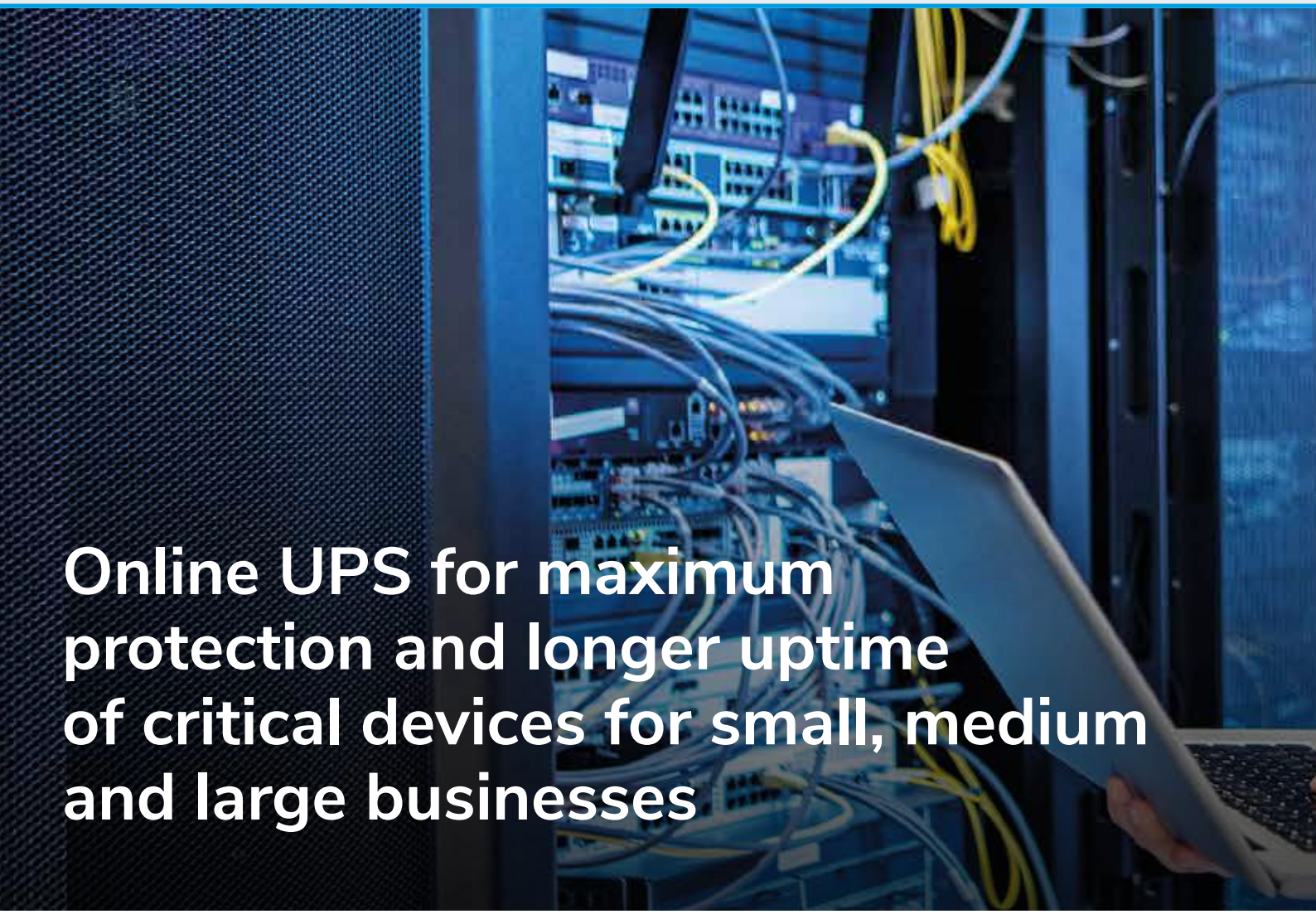


AR2000 RT PRO



AR3000 RT PRO





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

AR PRO Tower
1000VA - 3000VA

AR SMART Tower
1000VA - 3000VA

AR PRO RT
1000VA - 3000VA

SINGLE-PHASE ONLINE UPS

OD PLUS • OD H
1000VA - 3000VA

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