Ablerex

every moment counts

ARES PRO

1000-3000 VA

ARES PRO RT

1000-3000 VA

SINGLE-PHASE ONLINE UPS

ARES PRO – ARES PRO RT

ARES Series UPS are ideal for applications that require extended battery operation

Their advanced technology maximizes battery life and ensures high efficiency

ARES PRO 1000-3000 VA

For applications requiring small models with high performance

ARES PRO RT 1000-3000 VA

Suitable for all types of racks. The RT models, with lockable sockets, are extremely versatile, and the rotating display panel makes it easy to transform the rack version into a tower

Applications

- Computers
- Workstations and servers
- Active network equipment
- Telecommunications equipment
- Electromedical equipment
- PLC control cabinets
- BMS and SCADA systems
- Video surveillance equipment

Special applications

Control cabinets (PLC)

Ablerex has a solution whenever you need residual battery capacity. With Ablerex firmware, you can ensure that the UPS always has enough battery capacity left to be switched on again, even without power

Benefits

- Built-in functionality, free and easy to implement
- Easily customisable residual battery capacity
- UPS start-up even without mains power
- Battery alarm and remaining autonomy time indicator
- Maximises protection and battery life

Ensure 24/7 operation of automation systems

If an automaton is protected by a UPS and, for some reason, the mains circuit breaker trips or there is no power after the UPS switches off due to a battery discharge limit, the controls and mechanisms cannot be activated. The “remote on/off” option allows the UPS to be turned on remotely, even without electrical current present, and activate them again.

Benefits

- Easy to implement on demand option
- Reduces the cost of ownership by avoiding the need to oversize the UPS and batteries to overcome long periods without power
- Maximises protection and battery life

SINGLE-PHASE ONLINE UPS

ARES PRO – ARES PRO RT

Highlights

- Online double conversion technology (VFI – Voltage and Frequency Independent) from 1000 VA to 3000 VA with a power factor of 1.0
- Lithium battery ready
- Wide input voltage and frequency ranges reduces the use of batteries, thus increasing their lifespan and efficiency
- Low running costs – high-efficiency VFI and ECO features minimise energy consumption
- High autonomy expansion capacity
- High response capacity to overloads
- Constant voltage and frequency output (CVCF) for maximum protection of particularly sensitive loads (e.g. electromedical equipment)
- Option to set the battery's residual charge percentage, from 3% to 100% of available capacity
- The display shows the remaining operating time, accurately calculated
- Lockable sockets programmed separately
- Start without mains power (*cold start*)
- Upgradable firmware for new features
- EPO or ON/OFF, with remote control option
- RS232 and USB ports and mini slot to optional communication cards
- Easy-to-use monitoring software, free of charge and compatible with the main operating systems, for monitoring, diagnostics, controlled load switch-off, etc.

Main options

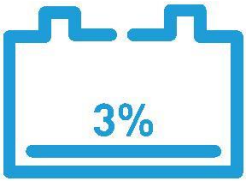
- RS485, SNMP/web and dry contact relay boards for sending UPS status to various systems such as BMS, PLC, SCADA and AS400
- External manual bypass with additional sockets
- External battery cabinets
- Rack mounting rail kit for RT models

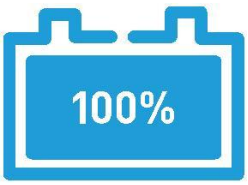
Longer battery life

- Set the battery discharge level, from 3% to 100%

Battery reserve management

- The UPS switches off when the battery's residual charge level is reached
- The UPS can be switched on again manually, even in the absence of electricity





Indicative power of some devices

(it's recommended to check the effective power)

- Router: 30 W
- POS + Cash Box: 50 W
- NAS: 60 W
- 43" TV: 100 W
- Inkjet printer / Scanner: 180 W
- PC Gaming + 24" LCD screen: 500 W
- PC Desktop + 21" LCD screen: 250 W
- PC + 32" LCD screen: 800 W
- Server: from 300 W up to 1000 W
- Videogame console: 140 W

Autonomy time table

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

ARES Online			
Model	**1000**	**2000**	**3000**
Power VA	1000	2000	3000
Power W	900	1800	2700
Device power	**Autonomy**	**Autonomy**	**Autonomy**
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

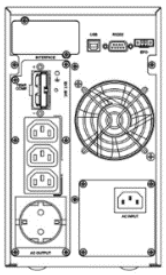
ARES PRO – ARES PRO RT

ARES PRO TECHNICAL DATA SHEET

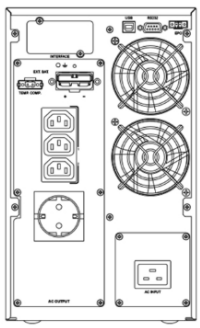
MODEL			ARES PRO 1000	ARES PRO 2000	ARES PRO 3000
POWER	VA		1000	2000	3000
	W		1000	2000	3000
INPUT	Rated voltage *		110 – 300 Vac		
	Frequency		44 – 66 Hz		
	Power factor		> 0.99		
OUTPUT	Rated voltage		200 / 208 / 220 / 230 / 240 Vac		
	Voltage distortion		<3% with linear load / <7% with non-linear load		
	Voltage stability		±1%		
	Frequency		50 / 60 Hz (selectable)		
	Frequency stability		±1 Hz / ± 3 Hz (selectable)		
	Power factor		1.0		
	Crest factor		3:1		
	Waveform		Pure sine wave		
	Output sockets		3 x IEC-C13 1 x Schuko	3 x IEC-C13 1 x Schuko	3 x IEC-C13 1 x IEC-C19 lockable 2 x 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		Power failure, low battery, transfer to bypass and UPS failure		
	Protection		Overcharge, overheat, short-circuit, deep discharge, batteries overcharge		
	Operating mode		VFI, ECO, constant voltage and frequency output (CVCF)		
	Cold start from battery without mains		Included		
BATTERY	Battery type		12V VRLA, AGM (solid gel, maintenance-free) / Lithium (optional)		
	Uptime with internal battery in minutes	50% load	10	11	9
		100% load	3	3	2
	Charging time (up to 90%)		4 – 6 hours		
	Dimensions of the battery expansion module (WxDxH) mm		154x403.6x258.2	192x552.8x319.9	
ENVIRONMENTAL PARAMETERS	Operating temperature		0 – 40°C		
	Relative humidity		0% – 90% (no condensation)		
	Altitude		<1000 m with no power derating, >1000 m with 1% power derating on every 100 m		
	Audible noise at 1 m		≤50 dB		
CONNECTIVITY	Communications ports included		USB, RS232, EPO and additional mini slot for option cards		
	User interface		LCD display and function keys (parameters: voltage, frequency, charge percentage, battery, output voltage, estimated uptime, UPS temperature)		
	Optional accessories		SNMP, RS485 ModBus and dry relay contacts cards; External cabinet and battery charger		
	Compatible operating systems		Microsoft Windows, Linux, Mac OS, VMware		
REGULATIONS	Standards		IEC EN 62040-1, IEC EN 62040-2, IEC EN 62040-3		
	Markings		CE, UKCA		

* Depending on load ** To be checked according to battery parameters

ARES PRO 1000



ARES PRO 2000



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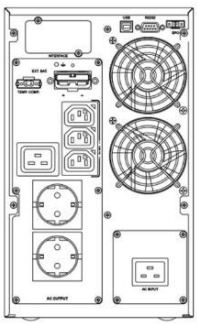

ARES PRO – ARES PRO RT

ARES PRO RT TECHNICAL DATA SHEET

MODEL			ARES PRO 1000 RT	ARES PRO 2000 RT	ARES PRO 3000 RT
POWER	VA		1000	2000	3000
	W		1000	2000	3000
INPUT	Nominal voltage*		110 – 300 Vac		
	Frequency		44 – 66 Hz		
	Power factor		>0.99		
OUTPUT	Nominal voltage		200 / 208 / 220 / 230 / 240 Vac		
	Voltage distortion		<3% with linear load / <7% with non-linear load		
	Voltage stability		±1%		
	Frequency		50 / 60 Hz (selectable)		
	Frequency stability		±1 Hz / ±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	1 x IEC-C19 lockable 6 x IEC-C13
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		Power failure, low battery, transfer to bypass and UPS failure		
	Protection		Overcharge, overheat, short-circuit, deep discharge, batteries overcharge		
	Operating mode		VFI, ECO, Constant voltage constant frequency output (CVCF)		
	Cold start from the battery without mains power		Included		
BATTERY	Battery type		12V VRLA, AGM (maintenance-free lead) / Lithium (optional)		
	Autonomy time with internal batteries - minutes	50% load	10	11	9
		100% load	3	3	2
	Recharging time (90%)		4 – 6 hours		
	Dimensions of the battery expansion module (WxDxH) mm		440x454x88 (2U)	440x640x88 (2U)	
ENVIRONMENTAL PARAMETERS	Operating temperature **		0 – 40°C		
	Relative humidity		0% – 90% (no condensation)		
	Altitude		<1000 m with no power derating, >1000 m with 1% power derating on every 100 m		
	Audible noise at 1 m		≤50 dB		
CONNECTIVITY	Communication ports included		USB, RS232, EPO and additional mini slot for option cards		
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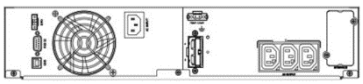
ARES PRO 1000 RT



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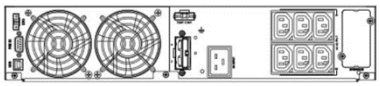

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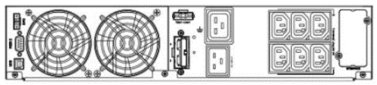

ARES PRO – ARES PRO RT

Single-phase online UPS

For maximum protection and longer operating autonomy for critical devices

For small, medium and large business

Ablerex
every moment counts

Rev 2025/03 - Our commitment to continuous innovation means that catalogue data may be subject to change without notice

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