

ARES PLUS tower

IMPROVED BATTERY LIFE

1000VA ~ 3000VA

ARES PLUS tower has got a number of smart features that increase battery life. Thanks to the new Battery Discharge protection control function, it's perfect for medium voltage substations applications.



PERFECT FOR:











Healthcare

Servers

Audio-Video

FEATURES

- Online double conversion VFI protection from 1000VA to 3000VA
- Extreme battery lifetime thanks to:
 - wide input voltage tolerance (110-300V)
 - wide input frequency tolerance (44-66Hz)
 - intelligent battery management
- Battery discharge level control, settable 30-100% of the available capacity
- Precise patented backup time estimation
- 2 programmable IEC outlets plus two Schuko

- · Cold start to activate loads without mains
- Multiple operation modes to maximize energy efficiency
- Strong overload capability to improve CB's selectivity
- Manually activated extra service check
- Firmware upgradable for updates and customization
- Remote EPO and On/Off functions
- RS232 and USB port, comm. slot
- CEI 0-16 compliant

OPTIONS

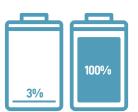
- USB card, RS485 card, dry contact relay card, SNMP/web card
- Extra RS232 card
- External battery cabinet
- Different outlets
- LED interface
- Ares Plus 3000 version with 8 batteries

WHAT'S IN THE BOX



- Input power cable
- Output power cable

BATTERY DISCHARGE LEVEL CONTROL



- 1) Set your battery discharge percent level (3-100%)
- 2) When UPS is in battery mode, it stops when the set battery level is reached
- 3) UPS will be capable to turn on and discharge battery completely upon subsequent cold start

SPECIFICATIONS

MODEL	ODEL		ARES1000 PLUS	ARES2000 PLUS	ARES3000 PLUS		
	Phase		Single phase				
INPUT	Voltage Range*		110~300Vac				
	Frequency Range		44~66Hz (Auto sensing)				
	Input Power Factor		>0.99 @ 100% linear load				
ОИТРИТ	Capacity		1000VA/900W 2000VA/1800W 3000VA/2700W			VA/2700W	
	Output Voltage		220/208/220/230/240 Vac				
	Output Power Factor		0.9				
	Output Voltage Distortion		<3% @ 100% Linear load <7% @ 100% non-linear load				
	Output Voltage Regulation		±1%				
	Frequency Range		±1Hz or ±3Hz (selectable)				
	Crest Factor		3:1				
	Output Waveform		Pure SineWave				
	Line Mode		Up to 92%				
EFFICIENCY	High Efficiency Mode		Up to 96,5%				
	Dimensions (WxHxD, mm)		154x211x382.4	192x250x470	192x319.9x486	192x319.9x552.8	
PHYSICAL	Net Weight (kg)		11.6	22.2	29.8	42.4	
BATTERY	Capacity				/dc/9AH		
	Battery Number		3	6	6	12	
			36	72	72	72	
	Battery Voltage		30			12	
	Recharge Time (to 90%)		4 hours				
	Battery Bank	Code		BT120727-0000 BT120727-0000			
		Number of batteries	6 12				
		Battery type	Lead acid maintenance free 12V 7Ah/9Ah				
		Dimensions (WxHxD, mm)	154 x 258.2 x 403.6 192 x 319.9 x 552.8				
DISPLAY	LCD measures		Voltage/Frequency/Load level/Battery voltage/ Output current/Estimated back-up time/ Temperature				
	Self-Diagnostics		Untput current/Estimated back-up time/ Temperature Upon power-on, Front panel setting & software control, 24 hours routine check				
ALARM	Audible or Visual		Line failure/Battery low/Transfer to bypass/System fault				
PROTECTION			Overload, over temperature, short circuit, deep discharge, overcharge				
PROTECTION	Full protection Multi-Mode		Normal/ECO/CVCF				
FUNCTION	DC Start		Normat/ECU/CVCF Yes				
ENVIRONMENT	Operation Temperature		0~40°C				
	Operation Temperature Operation Humidity		0%~90% (without condensing)				
	Operation Humidity Altitude		u%~9u% (without condensing) 1000m without derating				
	Altitude Noise Level		≤ 50dBA @ 1 meter front				
			RS-232, EPO, USB, Comm. Slot				
INTERFACE	Standard		RS-232, EPU, USB, Comm. Stot Dry contact card, SNMP/Web card, RS485				
	Option Compatible platforms						
	Compatible platforms		Microsoft Windows series, Linux, Mac				
STANDARDS & CERTIFICATIONS	Safety & EMC		IEC EN 62040-1, IEC EN 62040-2				
	Performance		IEC EN 62040-3				
	Marks			CE	:		
BACK PANELS	Ares100i	0/2000/3000 Plus					