

Amberwave ARES Plus Tower

IMPROVED BATTERY LIFE

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

1000VA ~ 3000VA



Perfect for



IT



Servers



Telecom



Healthcare

Features

- Online double conversion VFI protection from 1000VA to 3000VA
- Battery discharge level control, settable 30-100% of the available capacity
- Precise patented backup time estimation
- 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, communications 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

Specification

Model		ARES1000 PLUS	ARES2000 PLUS	ARES3000 PLUS	
Inputs	Phase		Single phase		
	Voltage Range*		110~300Vac		
	Frequency Range		44~66Hz (Auto sensing)		
	Input Power Factor		>0.99 @ 100% linear load		
Output	Capacity	1000VA/900W	2000VA/1800W	3000VA/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		
Efficiency	Line Mode		Up to 92%		
	High Efficiency Mode		Up to 96,5%		
Physical	Dimensions (W x H x D, mm)	154x211x382.4	192x250x470	192x319.9x486	
	Net Weight (kg)	11.6	22.2	29.8	
AC outlets		Standard: 2xIEC C13 & 2xCEE 7/3 (Schuko) Optional: up to 6xIEC C13 & 6xCEE 7/3 (Schuko)	Standard: 4xIEC C13 & 2xCEE 7/3 (Schuko) Optional: up to 8xIEC C13 & 6xCEE 7/3 (Schuko)	Standard: 6xIEC C13, 1xIEC C19 & 2xCEE 7/3 (Schuko) Optional: up to 10xIEC C13 1xIEC C19 & 6xCEE 7/3 (Schuko)	
Battery	Capacity	12Vdc/7AH	12Vdc/7AH	12Vdc/9AH	
	Battery Number	3	6	6	
	Battery Voltage	36	72	72	
	Autonomy time at 100% (min)	6	6	6	
	Autonomy time at 70% (min)	8	8	8	
	Recharge Time (to 90%)		4 hours		
	Battery Bank	Code	BT060367-0000	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	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	Full Protection	Overload, over temperature, short circuit, deep discharge, overcharge			
Function	Multi-Mode	Normal/ECO/CVCF			
	DC start	Yes			
Environmental	Operation Temperature	0~40°C			
	Operation Humidity	0%~90% (without condensing)			
	Altitude	1000m without derating			
	Noise Level	≤ 50dBA @ 1 meter front			
Interface	Standard	RS-232, EPO, USB, Comm. Slot			
	Option	Dry contact card, SNMP/Web card, RS485			
	Compatible Platforms	Microsoft Windows series, Linux, Mac			
Standards and Certifications	Safety & EMC	IEC EN 62040-1, IEC EN 62040-2			
	Performance	IEC EN 62040-3			
	Marks	CE			

* Based on load percentage.

