

3 in 1 System: Inverter, Charger and Switch ART Power Sinus Series 1000 ~ 6000 Watt



Specifications

- Pure sine wave out
- Uninterrupted switching (grid/generator to battery and battery to grid/generator)
- Load sensing adjustable
- 3 in 1 System: Inverter, Charger & Switch
- Ideal solution for long back up need
- Internal charger and adjustable charge current with battery type selection
- 3 Level smart charger
- High efficiency and low loss for no load operation
- LCD display
- High reliability with internal transformer



General Application Areas:



Home / Office

ART Power Sinus Series 1000 ~ 6000 Watt Technical Specifications

MODEL	APS 1012 LCD	APS 2024 LCD	APS 3024 LCD	APS 4048 LCD	APS 5048 LCD	APS 6048 LCD
Power (VA / W)	1000 / 1000	2000 / 2000	3000 / 3000	4000 / 4000	5000 / 5000	6000 / 6000
Input - AC & DC						
Voltage - AC	220 VAC, 1 phase and neutral, ground					
Voltage - DC	12 VDC	24 VDC	24 VDC	48 VDC	48 VDC	48 VDC
Voltage Tolerance - AC	160 / 264 VAC					
Voltage Tolerance - DC	10 ~ 15 VDC	20 ~ 30 VDC	20 ~ 30 VDC	40 ~ 60 VDC	40 ~ 60 VDC	40 ~ 60 VDC
DC Power at Rated Power	120 Amp.	120 Amp.	180 Amp.	120 Amp.	150 Amp.	180 Amp.
DC Power at Short Circuit	360 Amp.	360 Amp.	540 Amp.	360 Amp.	450 Amp.	540 Amp.
Frequency	50 / 60 Hz (automatic detection)					
Output						
Voltage	220 VAC					
Voltage Tolerance	± % 10					
Frequency	50 Hz					
Frequency Tolerance	Battery Mode ± 1 Hz					
Transfer Time	5-10 msc					
Output Wave form	Real-sinusoidal					
Battery						
Type	Dry Type Maintenance Type (Recommended) or Gel Type					
Maximum Battery Capacity	350 ~ 700 Ah	450 ~ 900 Ah	700 ~ 1400 Ah	450 ~ 900 Ah	700 ~ 1400 Ah	700 ~ 1400 Ah
Battery Low Voltage Protection ± 0.2 V DC	10.3 VDC	20.6 VDC		41.2 VDC		
Battery Placement	External form, placed in a rack or cabinet					
Charge						
Operating Range	160 / 264 VAC					
Charge Voltage	13.2 / 13.8 VDC	26.4 / 27.6 VDC		26.4 / 27.6 VDC		
Charge Capacity	3.5-35 Amp.	4.5-45 Amp.	7-70 Amp.	4.5-45 Amp.	7-70 Amp.	7-70 Amp.
Charging Voltage Protection	15.0 VDC	30.0 VDC		60.0 VDC		
Instruments and Control Panel						
Control Panel	On / Off, Battery Type, charging current, No-load Operation Settings					
Indicators (LED ve LCD)	On Mains	Solid Green LED				
	Battery Operation	Steady Orange LED				
	Charge Mode	Solid Amber LED Constant Current Mode, Constant Voltage Mode Flashing Green LED				
	Error	Continuous red soft LED				
Protections						
Tam Koruma	Overload, Short Circuit, Over-Charge, Low Battery Protection					
No Load Shutdown Study (Battery Protection)	Adjustable, % 2 - % 4 - % 6					
General						
Efficiency (AC to AC to 100% load)	% 88					
Transfer Relay Capacity	15 Amper		30 Amper		30 Amper	
Noise Level	< 45 dB (A)					
Operating Temperature	0°C ~ 40°C					
Storage Temperature	-10°C ~ 70°C					
Humidity	Max. % 20 ~ % 90 (non-condensing)					
Body Protection Class	IP 20					
Ventilation Mode	Variable Speed Fan Cooling with the Load Connected					
Working Height	< 1000 m. (duntil later depending on the level)					
Dimensions (mm) - G x Y x D	312 x 295 x 590			312 x 295 x 760		
Weight (kg) - Without Battery	16.5	19.5	24.5	37	41.5	47.5

*Product specifications are subject to change without further notice to third parties. © ARTronic Elektronik San. Müm. Tic.A.S.



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