

ASP Range Product Introduction

The ASP range is a state-of-the-art DC to AC pure sine wave power inverter.

With advanced digital signal processing technology, the power inverter has multiple functions such as power turbo mode, power saving mode, adjustable output voltage / frequency, fan speed control... etc.

The power inverter has outstanding protection including input DC polarity reversed protection, input DC over/under voltage protection, internal over temperature protection, overload protection and output short circuit protection.

With the RS232 communication port, it is possible to monitor the status of the power inverter



Key Features Include

DC Input Polarity Reversed protection by auto- recovery

Input DC Over/Under Voltage Protection

Internal Over Temperature Protection

Output Overload Protection.

Output Short Circuit Protection

Adjustable AC output voltage and frequency

Fan speed control by Load and Temperature

Low THD: $\leq 2.5\%$

Turbo mode available: 120% continuous output power when temperature $< 30^{\circ}C$.

High efficiency: max up to 94%.

With RS232 communication port.

With dry contact terminal.

Remote LCD display controller (option)

ECO mode available with power consumption $< 1W$.


Output	Model Range	ASP-1000					
	Type	12VDC / 120VAC	24VDC / 120VAC	48VDC / 120VAC	12VDC / 240VAC	24VDC / 240VAC	48VDC / 240VAC
	Part Numbers	ASP-1002A	ASP-1004A	ASP-1008A	ASP-1002	ASP-1004	ASP-1008
	Rated Power	1000W					
	Surge Power	2000W					
	Turbo Mode Power	1200W					
	Output Voltage Range	100V / 110V / 115V / 120V ±3%*			200V / 220V / 230V / 240V ±3%*		
	Crest Factor at Nominal Power	>3					
	Efficiency (Max)	91%	92%	93%	92%	93%	94%
	Frequency Range	50 / 60 Hz *					
	Frequency Accuracy	± 0.03%					
	THDv (resistive load)	≤2.5% **					

Input	Nominal Voltage DC	12V	24V	48V	12V	24V	48V
	Voltage Range DC	10-17V	20-34V	40-68V	10-17V	20-34V	40-68V
	No Load Current	< 1.6A @ 12V	< 0.8A @ 24V	< 0.4A @ 48V	< 1.6A @ 12V	< 0.8A @ 24V	< 0.4A @ 48V
	ECO Mode	< 1W	< 1W	< 1W	< 1W	< 1W	< 1W
	Fuse						

Signal & Control	Display	Synoptic LED					
	Failure Detection	Buzzer Alarm					
	Optional Remote Panel	Part No : ARA-1 (c/w 25ft cable)					

Protection	DC Input Protection	Over / Under Voltage, Reverse Polarity					
	Output Protection	Short-Circuit, Overload, Over Temperature					

Environment	Operating Temperature	- 20 ~ 60 °C ***					
	Storage Temperature	- 30 ~ 70 °C					
	Relative Humidity	95% non condensing					

Safety & EMC	Safety Standards	Meet UL458 ****		Meet EN62368	
	EMC Standards	Meet FCC		Certified CE	
	E-mark		10R - 05 15057	Certified CISPR 25; ISO 7637-2	

Weight & Dimensions	Dimension (W x H x D)	222mm x 88.9mm x 250mm (excludes connections & mountings)					
	Weight	3.3kg					

Note	
*	Dip Switch Selectable
**	Nominal voltage * 1.15 @ 110V/230V Rated Power
***	Derating @ 40°C to 60 °C
****	GFCI Receptacles

Optional Remote Panel

 Standard
Part No: ARA-1

 With Ignition Interlock
Part No: ARA-1IL
