

True Sine Wave Isolated INVERTER

AHA SERIES



FEATURE	FULL PROTECTION
IGBT module, true Sine Wave Isolated INVERTER	Overload Protection
Single control board design, for easy maintenance	Short Circuit Protection
User Friendly design and simple operation	Overload Constant Power Protection
DC 48/110/125/192/220V input voltage range +/-15%	Static Switch Protection
Constant power, special overload capacity design	Over Temperature Protection
Special air-flow control, suitable for any dirty operation environment	DC BUS start-up with current protection
Front side operation design for easy installation and maintenance	Two stage Phase Lock Loop
MTBF (Mean Time Before Failure) > 80000 hrs	One touch LCD Display designs; it is very easy to operate
MTTR (Mean Time To Replacement) < 30 minutes	The control board and other main components are in the front side that is very easy to do the maintenance service
CE Approved	
All models from 3K To 30KVA are used the same Main PCB. Customers only need to keep one board for RMA service	

AHA Series INVERTER Specification

MODEL		AHA-303	AHA-603	AHA-803	AHA-104	AHA-154	AHA-204	AHA-304
CAPACITY		3KVA / 2.1KW	6KVA / 4.8KW	8KVA / 6.4KW	10KVA / 8KW	15KVA / 10.5KW	20KVA / 14KW	30KVA / 21KW
bypass mains (Optional)	Voltage	220Vac / 110Vac (1 Phase)						
	Frequency	50 Hz or 60 Hz +/-5%						
Output	Voltage	single phase 220 Vac +/-5% (adjustable)						
	Frequency	50 Hz or 60 Hz						
	Voltage Regulation	+/-1%						
	Frequency Stability	+/-0.5%						
	Transient Response	+/-3% (100% load variation)						
	Wave from	Sinewave, THD < 3% at 0-100% linear load						
	Power factor	0.7-1, lag						
	Crest ratio	3 : 1						
Input Battery	Voltage	DC : 48V/110V/192V (+/-15%)						
Transfer Time	AC Fault	Zero						
Protection	Battery	Battery low shutdown and breaker						
	Overload	120 ~ 150% 60 Sec, then switch to bypass & automatic re-transfer						
	Short Circuit	Current limited and cut-off and fuse and breaker						
	INV. Failure	Bypass, load supplied from mains less than 2 ms.						
	EMI/EMC	EN50091-2, CE Approved						
Audible Alarm	Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute						
	Final DISCHARGE	Sounding once every second as battery approaches						
	INV. Fault / Overload	Continuously						
Indicator	LCD	INV. status, I/P & O/P voltage, I/P & O/P frequency, Battery voltage, Loading %, History record						
	LED	Utility LED (green), Inverter LED (green), Battery Low (yellow), Bypass voltage (yellow), Fault LED (red), Overload (yellow)						
Interface	RS - 232	Support MEGATEC RUPSII / UPSilon 2000 monitoring software						
Environment	Operation Temperature	0-40 degree C; 32-104 degree F						
	Relative Humidity	20-90% non-condensing						
	Audible Noise	Less than 55dB (at 1 meter)				Less than 65dB (at 1 meter)		
	Net Weigh (Kgs)	40	90	115	125	200	250	300
Physical	Dimension	W*H*D (mm)	W*H*D (mm)	W*H*D (mm)	W*H*D (mm)	W*H*D (mm)	W*H*D (mm)	W*H*D (mm)
	(W x H x D) mm	180 x 422 x 420 TOWER or RACK MOUNT	240 x 690 x 580 TOWER	480 x 870 x 420 TOWER	480 x 870 x 420 TOWER	480 x 1392 x 720 TOWER	480 x 1392 x 720 TOWER	480 x 1392 x 720 TOWER

* Special specifications are available upon request.

** Specifications are subjected to change without perior notice.

SOLTEC

Power System

