



Aviator - Sinewave

Home UPS

- Single Card Reliability with DSP Technology.
- Multi Color LCD Display.
- Frequency Available : 50/60Hz.
- Smart Battery Charging with Setable all Parameters.
- Best Regulated Output.
- Sine wave Output.
- Battery Charging at Low Voltage.
- Maintain Battery Health for Longer Life.
- Easy Installation and Low Maintenance.
- Protections : RBP, OVL, BL, OBC, SC, IHV, ILV & Lightening.
- Compatible with DG as an Input Source.
- Compatible for Computer Load.
- Compatible with SMF, Gel & Tubular Batteries.

TECHNICAL SPECIFICATION

Parameters			Rating						
Model Name			EHU/975/12	EHU/1175/12	EHU/1675/24	EHU/2200/24	EHU/4000/48	EHU/5500/48	
Capacity			850VA	1050VA	1450VA	2000VA	3500VA	5000VA	
Operating DC Voltage			12V		24V		48V		
Switching Element			MOSFET						
Charger Topology			Boost Mosfet						
Parameters (Grid)			Default Value						Variable Range (Each Batt.)
Nominal Grid Voltage			230V AC						
Nominal Frequency			50Hz						
Frequency Range			45-55Hz ± 2Hz						
Battery Charging Method 4 Stages			Bulk/Absorption/Float/Equalize						
Grid - Battery Charging Voltage (TUB) Default mode	Boost		14.4V±0.2V (Each Battery)						
	Float		13.8V±0.2V (Each Battery)						13V-14.2V
Grid - Battery Charging Voltage (SMF)	Boost		14.2V ±0.2V (Each Battery)						13.5V-14.2V
	Float		13.8V ±0.2V (Each Battery)						13.5V-14.2V
Grid-Batt. Chg. Volt. Equalize			After 30 Days						NA
Grid-Batt. Chg. Current	Normal		15A ±2A						1A-20A
	Boost		18A ±2A						
Grid Low Cut Voltage			170V±10V						
Grid Low Cut Recovery		IT MODE ENABLE	180V ± 10V						
Grid High Cut Voltage			265V ± 10V						
Grid High Cut Recovery			255V ± 10V						
Grid Low Cut Voltage			100V ± 10V						
Grid Low Cut Recovery		IT MODE DISABLE	110V ± 10V						
Grid High Cut Voltage			290V ± 10V						
Grid High Cut Recovery			280V ± 10V						
DG Mode			ENABLE/DISABLE	Disable					
Change Over (Batt. to Mains)		IT MODE ENABLE/ DISABLE	<5ms						
Change Over (Mains to Batt.)			<12ms						
Parameters (Battery Mode)									
Output Phase			1Phase, 3Wire						
Output Waveform			Sinewave						
Nominal Output Voltage			220V±8%						
Nominal Frequency			50Hz ±1%						
Maximum Output Current (±0.2A)			2.1A	2.9A	4.3A	5.6A	10A	17A	
Batt. Low Buzzer			10.8V±0.2V (Each Battery)						Batt LC+0.3V
Batt. Low Cut			10.5V±0.2V (Each Battery)						10V-11.5V
Batt. High Cut			16.5V±0.2V (Each Battery)						16.5V-17.5V
Typical Efficiency			≥80%		≥82%				
Voltage Harmonic			<3% (Linear Load)						
Over Load Capacity	IT MODE DISABLE		>110% 3-Times Auto Reset with 30Sec. Delay and 4th Time Shut Down						
	IT MODE ENABLE		>110% Shut down after 30Sec. Delay (1st time)"						
			>150% Output goes down						
Protection			Overload, Battery Low, Battery High, Output Short Ckt, Battery Reverse, Over Heat @90°C ± 10°C , Over/Under frequency, I/P HV, I/P LV, Lightning.						
LED Indication			System ON, (IT Mode, SMF/TUB, Boost Charging, DG Mode) Enable/Disable						
Switches			Reset for System ON/OFF, UP, Down, Back, Enter (for LCD Configuration)						
Display			Battery Voltage, Charging Current, Grid Voltage, Grid Frequency, Output Voltage, Output Frequency, Load %, Battery Graph, Overheat,BLK/ABS/FLT.						
Parameters (Environment)									
Operating Temperature			0-50°C						
Cooling			Fan						
Max. Relative Humidity @ 25°C (non condensing)			95%						
Noise @ 1meter			50dB						
Standard Compliance			IP20						
System Dimension (LxWxH in mm)			260*306*116		260*306*172	266*306*214	311*306*298	336*306*388	

*Specification are subject to change without prior notice due to constant improvement in design & technology.



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