



SALIENT FEATURES

- Micro Controller based PWM technology using MOSFETS
- Modified Square Wave Output
- Soft start capability for starting heavy loads
- Recommended battery capacity:100-180 Ah
- Auto reset feature for overload, short circuit, low battery on inverter mode
- Generator compatible
- High and low input voltage protection for the connected appliances



LOAD CHART

OPTION	560VA			800VA			1400VA		
	A	B	C	A	B	C	A	B	C
Fan	3	2	1	1	3	5	4	6	8
Tube Light	3	3	5		5	4	3	5	8
T.V.				1	1		1	1	1
Fridge*									
Room Cooler				1			2	1	

NOTE: These values are estimated only, exact calculations depends on manufacturer's specifications.



TECHNICAL SPECIFICATIONS

Type	1phase input - 1phase output		
Model	Quasi Sine Wave Inverters		
Technology	Microcontroller based PWM technology using MOSFETS		
Ratings	560VA	800VA	1400VA
Model No.	D11560	D11800	D111.4K
INPUT PARAMETERS			
Input Supply	1 Phase, 3 Wire		
Voltage Range	120-280V AC		
Frequency Range	43-57 Hz		
OUTPUT PARAMETERS			
Voltage Regulation	220VAC \pm 10%		
Frequency Regulation	50Hz \pm 0.1Hz		
Peak Efficiency	>90%		
Output Waveform	Quasi Sine Wave		
Crest Factor	> 3:1		
Overload Handling Capacity	105-120% (5-40 sec), 120-150% (2-10 sec), 150-200% (1-4 sec)		
BATTERY PARAMETERS			
Battery Type	Wet/Gel, 12V/100AH-200AH		
Battery Voltage(Nominal)	12VDC		24VDC
Battery Voltage Range	9.8V \pm 0.2V to 13.7V \pm 0.1V		19.6V \pm 0.4V to 27.4V \pm 0.2V
Battery Charging Current	9.0 \pm 1.0A		
Charging Technology	Fuzzy Logic Control		
ENVIRONMENTAL PARAMETERS			
Operating Temperature	0-45°C		
Acoustic Noise (at 1mts.)	< 50dB		
Relative Humidity	Max 95% non-condensing		
Others			
Indications(LED)	Mains On, Inverter On, Battery Charging, Fuse Blown, Low Battery, Overload, Short Circuit, Inverter Active		
Protection Class	IP20		
Dimensions-WxDxH (in m.m.)	180x300x215	132x247x210	
Weight (in kgs.)	10.3	11.18	19.8

Note: Specifications are subject to change without prior notice.