

Specifications

Rating	250VA	600VA	800VA	1400VA	2000VA	3000 / 5000VA
Technology	8 Bit Microcontroller based, MOSFET	8 Bit Microcontroller based, MOSFET	16Bit DSP based, MOSFET	16Bit DSP based, MOSFET	16Bit DSP based, MOSFET	16Bit DSP based, MOSFET
Output Voltage	220V \pm 5%	220V \pm 5%	220V \pm 5%	220V \pm 5%	220V \pm 5%	220V \pm 5%
Output Frequency	50Hz \pm 0.1Hz	50Hz \pm 0.1Hz	50Hz \pm 0.1Hz	50Hz \pm 0.1Hz	50Hz \pm 0.1Hz	50Hz \pm 0.1Hz
Crest Factor	3:1	3:1	3:1	3:1	3:1	3:1
Output Power Factor	0.7	0.7	0.8	0.8	0.8	0.8
Output Wave Form	Sine Wave	Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Inverter Switching Frequency	6.4 KHz	6.4 KHz	20KHz	20KHz	20KHz	20KHz
Harmonic Distortion	<2 to 5 %	<2 to 5 %	<2%	<2%	<2%	<2%
Output Efficiency	90%	90%	90%	90%	90%	90%
Input Parameters						
Input Supply	1 Phase, 3 Wire	1 Phase, 3 Wire	1 Phase, 3 Wire	1 Phase, 3 Wire	1 Phase, 3 Wire	1 Phase, 3 Wire
Input Voltage (Inverter)	110V-290V \pm 5V	110V-290V \pm 5V	120V-290V \pm 5V	120V-290V \pm 5V	120V-290V \pm 5V	120V-290V \pm 5V

Mode)						
Input Voltage (UPS Mode)	180V-265V±5V	180V-265V±5V	180V-265V±5V	180V-265V±5V	180V-265V±5V	180V-265V±5V
Input Frequency	47-53Hz	47-53Hz	47-53Hz	47-53Hz	47-53Hz	47-53Hz
Overall Parameters						
Change Over Time	08-10msec (Typical)	08-10msec (Typical)	08-10msec (Typical)	08-10msec (Typical)	08-10msec (Typical)	10msec (Typical)
Change Over Type	Relay	Relay	Relay	Relay	Relay	Relay / Static Switch
DC Input Voltage	12V DC	12V DC	12V DC	24V DC	36V DC	48V DC
Display Type	LED	LED	LCD	LCD	LCD	LCD
Battery Type	Lead Acid / SMF	Lead Acid / SMF	Lead Acid / SMF	Lead Acid / SMF	Lead Acid / SMF	Lead Acid / SMF
Battery Capacity	45AH-200AH	45AH-200AH	45AH-200AH	45AH-200AH	45AH-200AH	45AH-200AH
Charger Parameters						
Charger Type	PWM Controlled Rectifier	PWM Controlled Rectifier	PWM Controlled Rectifier	PWM Controlled Rectifier	PWM Controlled Rectifier	PWM Controlled Rectifier
Charging Method	Three Stage Pulse Charging	Three Stage Pulse Charging	Five Stage Pulse Charging	Five Stage Pulse Charging	Five Stage Pulse Charging	Five Stage Pulse Charging
Charging Current	1-15AMP	1-15AMP	1-15AMP	1-15AMP	1-15AMP	1-15AMP
Charging	Normal =	Normal =	Normal	Normal =	Normal =	Normal =

Cut Off (Per Battery)	13.8 Tubular = 14.4	13.8 Tubular = 14.4	= 13.8 Tubular = 14.4	13.8 Tubular = 14.4	13.8 Tubular = 14.4	13.8 Tubular = 14.4
Protection						
Input High / Low						
Battery Deep Discharge						
Battery Over Charge						
Over Temperature						
Short Circuit						
Return Voltage						
Over Load						
Battery Terminal Open						
Environmental Parameters						
Operating Temperature	0-45 Deg Celsius					
Acoustic Noise at 1mtr	<45db					
Relative Humidity	Max 95% Non Condensing					
LCD Display Parameters (for 800VA and above)						
Input Mains Voltage						
Output Voltage						
Output Frequency						
Battery Status						
Charging Current						
Charging Status						
Load Status						
Over Load Alarm						
Over Load Trip						
Low Battery Alarm						
Low Battery Trip						
Short Circuit Trip						
Over Temperature Trip						
Battery Terminal Open						

Settable Parameters
Battery Type
UPS Mode / Inverter Mode

Applications

For domestic purposes like mixtures, refrigerators, fan, bulb, Air conditioners etc.