

POWER INVERTER



Swastik Electronics is a well established electronic manufacturing Company managed by professional technocrats for last 15 years in Gujarat and supplying products all over India and Abroad.

Human life concerns electric power casts prominent role today. City life and rural life concerns electricity is the most essential source for living. Simultaneously utility load shedding & break down problems increase day by day. In connection our R&D department has developed Pro_tek power inverter. The power inverter is with latest HEXFET Technology to provide uninterrupted, pollution free, correct power supply. In case of power failure the power inverter start up and feed the power. When utility power restored, it diverts automatically to mains & its CC-CV charges the battery with approx. 25 Khz pulse with current limiting initially & decreasing current as battery get charged to keep battery healthy.

Features :

- ▶ PWM HEXFET Technology
- ▶ Swift Change over (Optional)
- ▶ Battery reverse polarity protection
- ▶ Battery overcharge/ deep
- ▶ Dishcharge Protection
- ▶ Battery condition Indication
- ▶ Battery Low pre LED, buzzer indication
- ▶ Unique dual overload protection
- ▶ Audio-Visual Indications, single Switch operation
- ▶ Compact design, rugged and reliable

TECHNICAL SPECIFICATIONS

MAINS OPERATION	
Input Voltage	170 V - 275 V, 50 Hz +/-5%
Output Voltage	Same as input
BATTERY OPERATION	
Charge over time	Less than 1 Second (Less than 10mili Second optional)
Output Voltage	220 V (rms) +/-5%, 50Hz +/-1 %
Wave Form	Modified Quasi Square
Battery Voltage	12V / 24V / 48 VCD
Backing time	Up to 8 Hours (depends on battery)
Recharge time	Presettable, normally 12-15 hours
Efficiency	>85%
Protections	•Battery reverse polarity •Low Battery •Overcharge • Overload • short ckts. • Under and Over voltage.
Indications	6 nos. Battery condition indicater. One each continuous for Mains, Charging & trickle One each blinking for inverter on, Battery low & Overload (Total 12 Leds).
Instrumentation	One 72 MM square ampere meter on front panel.
Capacity	150VA/200VA/300VA/400VA/500VA -12V 500VA/600VA/800VA/1000VA -24V 1250VA/1500VA/2000VA -48V

Model	Battery Voltage	Charging Ampere	Battery No.	@4 Hrs. Battery Backup	Capacity (Standard Company)
350VA (280W)	12V	11	1	120AH	2 Fan + 2 T/L
500VA (380W)	12V	12	1	150AH	2 Fan + 4 T/L
650VA(500W)	12V	12	1	180AH	3 Fan + 5 T/L
1000VA(780W)	24V	12	2	150AH	4 Fan + 7 T/L
1200VA(1000W)	24V	12	2	180AH	6 Fan + 10 T/L