

MADE IN INDIA



RAPID+

PURE SINE WAVE UPS SERIES

450/12V - 5500/48V



**20A
RAPID
CHARGING**
VARIABLE GRID CHARGING
SELECTION SWITCH
15A & 20A



70V
POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE



**BUILT-IN ISOLATION
TRANSFORMER**



**AUTOMATIC
BYPASS
INVERTER**
*Available from 850 to 3500



**INSTANT
CHANGEOVER TIME**



**24X7 MCB
PROTECTION**
*Available from 1500 to 5500



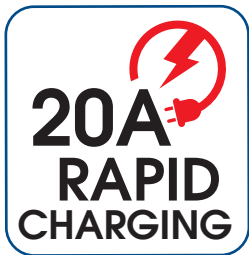
**24X7 PROTECTION
DC MCB DOUBLE POLE**
*Available in 4000 & 5500



**MANUAL
BYPASS SWITCH**
*Available in 4000 & 5500

Invertek Energy is one of the leading power backup company. It makes sense that the company's top-notch products are enabled to become India's most strong brand. With its ability to create dependable products with the newest technology integrated that are well accepted and valued by household consumers and the industrial sector around the world. Invertek Energy provides a comprehensive range of power backup solutions, Solar & Lithium-ion Battery.

FEATURE



**VARIABLE GRID CHARGING
SELECTION SWITCH
15A & 20A**
*Available from 950 to 5500



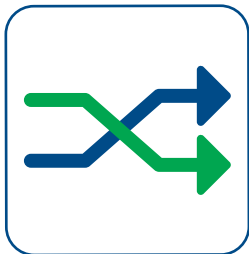
**POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE**



**BUILT-IN ISOLATION
TRANSFORMER**



CREST FACTOR



**INSTANT
CHANGEOVER TIME**



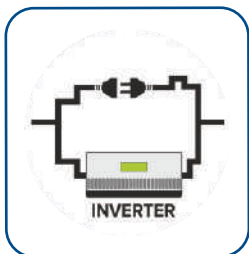
**LCD DISPLAY
16X2**



**24X7 PROTECTION
DC MCB DOUBLE POLE**
*Available in 4500 & 5500



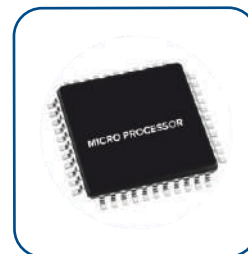
**MANUAL
BYPASS SWITCH**
*Available in 4500 & 5500



**AUTOMATIC
BYPASS**
*Available from 450 to 3500



**24X7 PROTECTION
AC MCB**
*Available from 1700 to 5500



**4TH GENERATION
32 BIT WITH EAST
MICRO PROCESSOR**



**GENERATOR
COMPATIBLE**

RAPID+

PURE SINE WAVE UPS SERIES

450/12V - 750/12V - 950/12V - LED Display

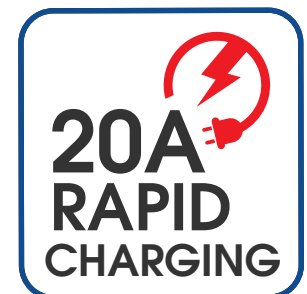
1050/12V- 1250 -1350/12V- 1500/12V - LCD Display



FEATURE

RAPID CHARGING

Rapid+ series is designed for 6 stage charging technology which can charge your battery up to 20 AMP. It has variable charging current option which you can choose as per battery capacity i.e. from 120Ah to 240Ah range.



REAR VIEW

1. Rocker Switch
2. Output Socket
3. Resettable Fuse
4. Boost Charging
5. Mains Input Cord
6. Negative Battery Wire (Black)
7. Positive Battery Wire (Red)
8. Fan





FEATURE

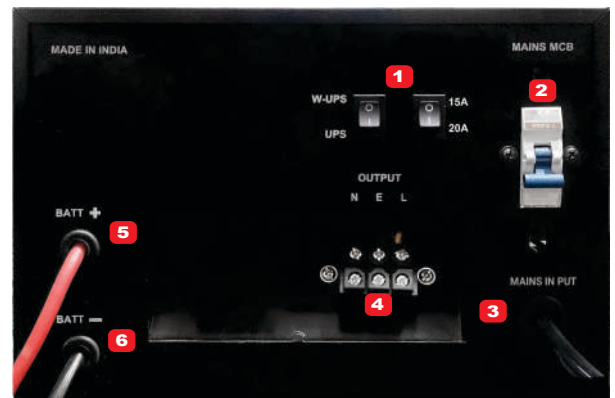
24X& MCB PROTECTION

MCB is an electro-mechanical device which protects the electrical circuit in case of overload and short circuit faults. MCB detects the fault condition and automatically switch off to interrupt the circuit current and it can be manually switched on after removing the fault.



REAR VIEW

- 1. Rocker Switch
- 2. Mains MCB
- 3. Mains Input
- 4. Output Terminal
- 5. Positive Battery Wire (Red)
- 6. Negative Battery Wire (Black)





FEATURE

POWERFUL CHARGING ON LOW VOLTAGE 90V

Rapid+ Series can charge the battery even as low as 70 volt.

Normal inverter switches to backup mode when input voltage switches 130V

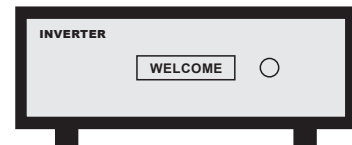
70V



3.8A



130V



130V Backup Mode on

REAR VIEW

1. Rocker Switch
2. Mains MCB
3. Input Terminal
4. Output Terminal
5. Negative Battery Wire (Black)
6. Positive Battery Wire (Red)
7. Fan

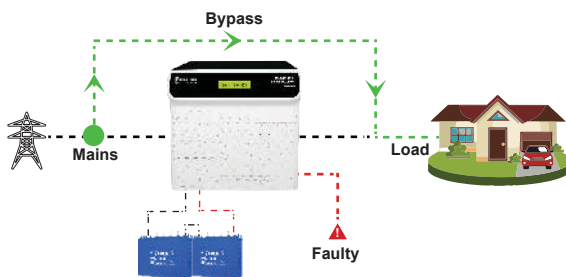




FEATURE

AUTOMATIC BYPASS

If the inverter / UPS fails, the load will drop automatically on the mains / grid power (if available at the time). Due to the automatic bypass switch this insures continuous power.



INSTANT CHANGEOVER TIME

best for all IT equipments

IT has less than <8msec change overtime from mains to battery mode, perfect for running all sensitive equipments like Printer, Computer, Router, Modem, Server.



REAR VIEW

1. Rocker Switch
2. Mains MCB
3. Input Terminal
4. Output Terminal
5. Negative Battery Wire (Black)
6. Positive Battery Wire (Red)
7. Fan





FEATURE

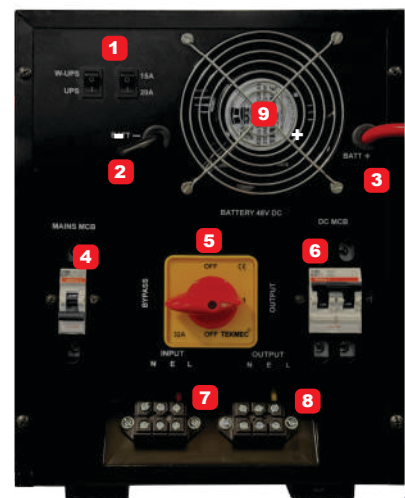
MANUAL BYPASS SWITCH

Incase of maintenance of the battery/failure of Rapid+ Series or during the servicing of the UPS, the customer himself can directly switch to the mains by a simple twist of a switch, and will not need any electrician to remove any wires from the UPS.



REAR VIEW

1. Rocker Switch
2. Negative Battery Wire (Black)
3. Positive Battery Wire (Red)
4. Mains MCB
5. Rotary Switch
6. Battery MCB
7. Input Terminal
8. Output Terminal
9. Fan



TECHNICAL SPECIFICATION

MODEL	450	750	950	1050	1250	1350	1500	1700	2000	1850	2000	2500	3000	3500	4500	5500
DC BUS	12V									24V				48V		
NO LOAD CURRENT	< 1.2 A															
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC									< 240VAC @24.0 VDC				< 240VAC @48.0 VDC		
BATTERY LOW ALARM	10.7 +/- 0.2V									21.4 +/- 0.4V				42.8 +/- 0.8V		
BATTERY LOW SHUTDOWN	10.5 +/- 0.2V									21.0 +/- 0.4V				42.0 +/- 0.8V		
SHORT CIRCUIT PROTECTION	YES															
INVERTER OUTPUT FREQUENCY	50 HZ +/- 0.1 Hz															
PARAMETERS										UPS MODE						
MAINS INPUT VOLATGE RANGE	170V TO 265 V															
MAINS AC LOW CUT	170VAC +/- 10VAC															
MAINS AC LOW CUT RECOVERY	180VAC +/- 10VAC															
MAINS AC HIGH CUT	265VAC +/- 10VAC															
MAINS AC HIGH CUT RECOVERY	255VAC +/- 10VAC															
MAXIMUM CHANGE OVER TIME	< 8 msec															
PARAMETERS										WIDE UPS MODE						
MAINS INPUT VOLATGE RANGE	90V TO 290 V															
MAINS AC LOW CUT	90VAC +/- 10VAC															
MAINS AC LOW CUT RECOVERY	110VAC +/- 10VAC															
MAINS AC HIGH CUT	290VAC +/- 10VAC															
MAINS AC HIGH CUT RECOVERY	280VAC +/- 10VAC															
MAXIMUM CHANGE OVER TIME	< 18 msec															
PARAMETERS										CHARGING MODE						
CHARGING CURRENT @ 220V AC	8A	15A	15A-20A													
BOOST VOLATGE (TUBULAR MODE)	14.4V +/- 0.2V									28.8V +/- 0.4V				57.6V +/- 0.8V		
BOOST VOLATGE (LEAD ACID MODE)	14.0V +/- 0.2V									28.0V +/- 0.4V				56.0V +/- 0.8V		
FLOAT VOLTAGE	13.6V +/- 0.2V									27.2V +/- 0.4V				54.4V +/- 0.8V		
SHORT CIRCUIT	YES															
PROTECTIONS																
BATTERY LOW CUT OFF	1 TIME															
OVERLOAD (AUTO RETRIES)	4 TIME															
SHORT CIRCUIT (AUTO RETRIES)	3 TIME															
OVER TEMPERATURE	3 TIME															
BATTERY OVER CHARGE	YES															
INPUT PROTECTION	YES (RESSETABLE FUSE)									YES (MAINS MCB TRIP INCASE OF SHORT CIRCUIT IN MAINS MODE)						
ENVIRONMENT																
STORAGE TEMPERATURE	0 TO + 40 C															
OPERATING TEMPERATURE	0 TO + 40 C															
HUMIDITY	0-95% NON-CONDENSNG															
ACOUSTIC NOISE (at 1 mts)	< 45dB from 1 METER															
PROTECTION GLASS	IP-20															

Manufactured & Marketed by :

INVERTEK ENERGY SOLUTIONS PVT. LTD.

Address: GF, Plot No. 445 Kh. No. 9/20,10/16, Laxmi Vihar, Najafgarh,
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Customer Care Number - 9311369797