

MADE IN INDIA



RAPID+

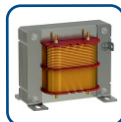
PURE SINE WAVE UPS SERIES
850/12V - 6000/48V



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



90V
POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE



BUILT-IN ISOLATION
TRANSFORMER



INSTANT
CHANGEOVER TIME



24X7 MCB
PROTECTION



24X7 PROTECTION
DC MCB DOUBLE POLE

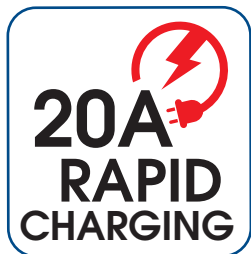


MANUAL

Invertek Energy is one of the leading power backup company. It makes sense that the company's top-notch products are what have enabled it 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 Solutions and Battery

FEATURE

“Uninterrupted Power Supply (UPS) is an electronic device that allows IT load as well as normal electrical appliances to keep running when the primary power source is lost. It also provides protection from power surges. The Change over time is near zero which helps IT loads to run effectively”



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



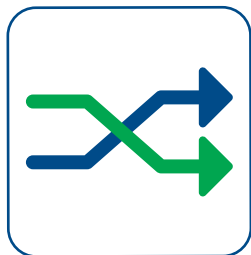
**POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE**



**BUILT-IN ISOLATION
TRANSFORMER**



CREST FACTOR



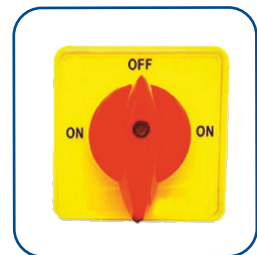
**INSTANT
CHANGEOVER TIME**



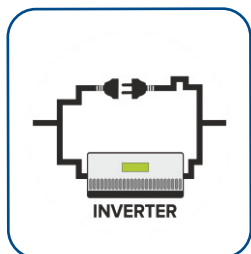
**LCD DISPLAY
16X2**



**24X7 PROTECTION
DC MCB DOUBLE POLE**
*Available from 4500/48V to 6000/48V



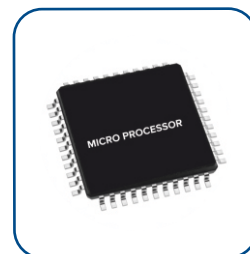
**MANUAL
BYPASS SWITCH**
*Available from 4500/48V to 6000/48V



**AUTOMATIC
BYPASS**
*Available from 850/12V to 3500/24V



**24X7 PROTECTION
AC MCB**
*Available from 1350/12V to 6000/48V



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



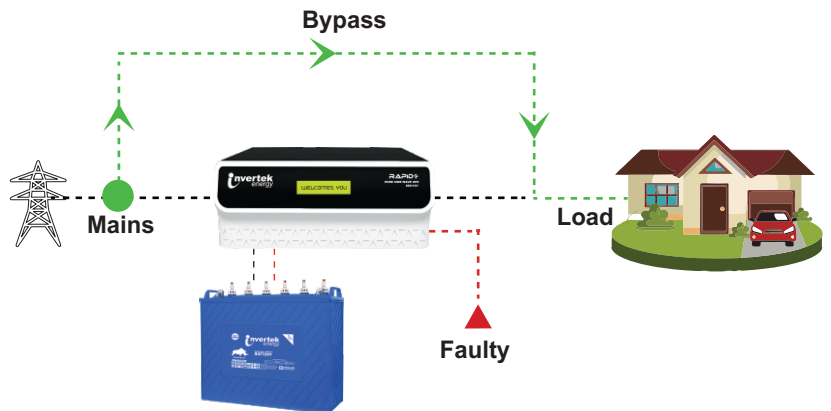
**GENERATION
COMPATIBLE**



FEATURE

AUTOMATIC BYPASS

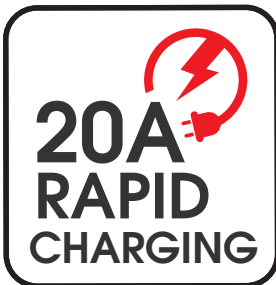
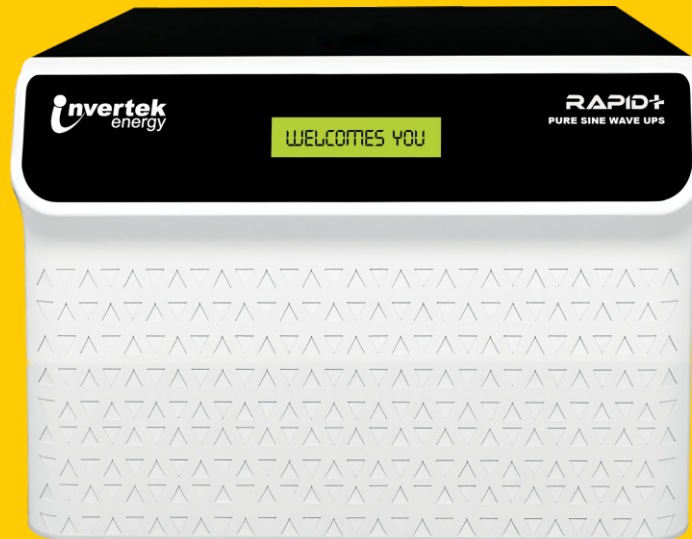
If the inverter / UPS fails, the load will drop automatically on the mains / grid power (if available at the time). Due to the automatic bypass switch



REAR VIEW

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





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.g from 100Ah to 300Ah range.

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 switches 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. Input Terminal
4. Output Terminal
5. Negative Battery Wire (Black)
6. Positive Battery Wire (Red)
7. Fan





FEATURE

POWERFUL CHARGING ON LOW VOLTAGE 90V

Rapid+ Series can charge the battery even as low as 90 volt.

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

90V



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

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 equipment's 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	RAPID + 850	RAPID + 1000	RAPID + 1250	RAPID + 1350	RAPID + 1700	RAPID + 2000	RAPID + 2500	RAPID + 3000	RAPID + 3500	RAPID + 4500	RAPID + 6000
VA RATING	750VA	950VA	1150VA	1250VA	1500VA	1750VA	2250VA	2750VA	3250VA	4000VA	5250VA
DC BUS	12v	12V	12V	12V	12V	24V	24V	24V	24V	48V	48V
BULB LOAD in WATT +/- 5%	520WATT	650 WATT	820 WATT	875 WATT	1050 WATT	1400 WATT	1800 WATT	2200 WATT	2600 WATT	3200 WATT	4200 WATT
NO LOAD CURRENT	< 1.8 A										
OUTPUT VOLTAGE @ NO LOAD	< 240VAC @12.0 VDC					< 240VAC @24.0 VDC			< 240VAC @48.0 VDC		
BATTERY LOW ALARM	10.5 ± 0.2V					21.2 ± 0.2V			42.4 ± 0.2V		
BATTERY LOW SHUTDOWN	10.4 ± 0.2V					20.8 ± 0.2V			41.6 ± 0.2V		
SHORT CIRCUIT PROTECTION	YES										
INVERTER OUTPUT FREQUENCY	50 HZ ± 0.1 Hz										
MODE	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										
MODE	WIDE UPS MODE										
MAINS INPUT VOLATGE RANGE	70V TO 290 V										
MAINS AC LOW CUT	70VAC ± 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										
MODE	CHARGING MODE										
CHARGING CURRENT @ 220V AC	10A-15A/18A			15A-20A							
BOOST VOLATGE (TUBULAR MODE)	14.4V ± 0.2V										
BOOST VOLATGE (LEAD ACID MODE)	14.0V ± 0.2V										
BOOST MODE (ENABLE TUBULAR MODE)	15.0V ± 0.2V										
BOOST MODE (ENABLE LEAD ACID MODE)	15.0V ± 0.2V										
FLOAT VOLTAGE	13.6V ± 0.2V										
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 (MAINS FUSE BLOWN ALONG WITH RESETTABLE 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 By: INVERTEK ENERGY SOLUTIONS PVT. LTD.

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