

MADE IN INDIA



RAPID+

PURE SINE WAVE UPS SERIES
800/12V - 5500/48V



VARIABLE GRID CHARGING
SELECTION SWITCH
15A & 20A



POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE



BUILT-IN ISOLATION
TRANSFORMER



AUTOMATIC
BYPASS
INVERTER
*Available from 800 to 3500



INSTANT
CHANGEOVER TIME



24X7 MCB
PROTECTION
*Available from 1800 to 5500



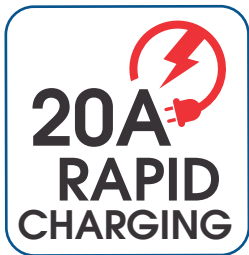
24X7 PROTECTION
DC MCB DOUBLE POLE
*Available in 4000 & 5500



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 1350 to 5500



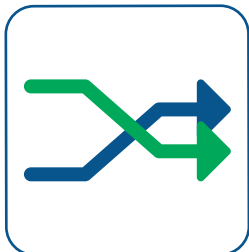
**POWERFUL CHARGING
EVEN DURING VERY
LOW VOLTAGE**



**BUILT-IN ISOLATION
TRANSFORMER**



CREST FACTOR



**INSTANT
CHANGEOVER TIME**



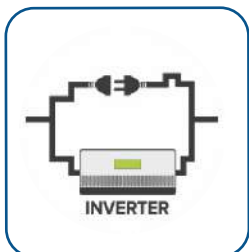
**LCD DISPLAY
16X2**



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



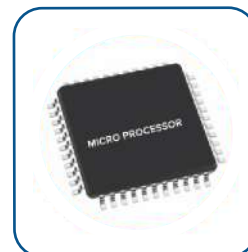
**MANUAL
BYPASS SWITCH**
*Available in 4000 & 5500



**AUTOMATIC
BYPASS**
*Available from 800 to 3500



**24X7 PROTECTION
AC MCB**
*Available from 1600 to 5500



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



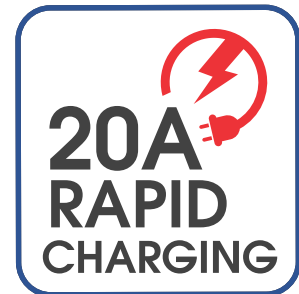
**GENERATOR
COMPATIBLE**



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. Mains Input Cord
5. Negative Battery Wire (Black)
6. Positive Battery Wire (Red)
7. 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. 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

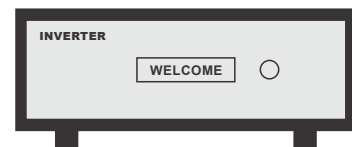
90V



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

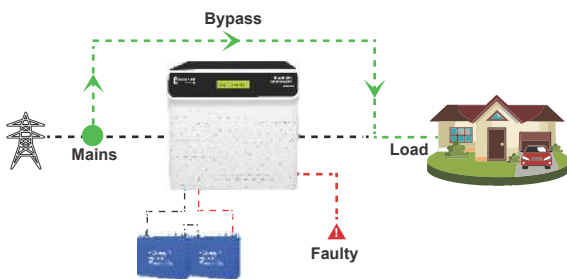




FEATURE

AUTOMATIC BYPASS

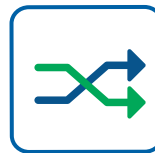
If the inverter / UPS fails, the load will drop automatically on the mains / grid power (if available at the time). Due to the automatic bypass switch this insures continuous power.



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 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 + 800 | RAPID + 1050 | RAPID + 1250 | RAPID + 1350 | RAPID + 1600 | RAPID + 2000 | RAPID + 2500 | RAPID + 3000 | RAPID + 3500 | RAPID + 4000 | RAPID + 5500 |
|--------------------------------------|-------------------------------|--------------|--------------|--------------|--------------|---|--------------|--------------|--------------------|--------------|--------------|
| VA RATING | 650VA | 800VA | 1025VA | 1100VA | 1300VA | 1700VA | 2200VA | 2700VA | 3200VA | 4000VA | 5250VA |
| DC BUS | 12V | 12V | 12V | 12V | 12V | 24V | 24V | 24V | 24V | 48V | 48V |
| BULB LOAD in WATT ± 1% | 520 WATT | 640 WATT | 820 WATT | 880 WATT | 1050 WATT | 1360WATT | 1760 WATT | 2160 WATT | 2560 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 | 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 | | | | | | | | | | |
| MODE | CHARGING MODE | | | | | | | | | | |
| CHARGING CURRENT @ 220V AC | 10A-15A | | | | | 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 (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 & 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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