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**Non-stop power.
Non-stop happiness.**

Prime Series

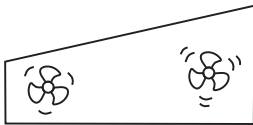
Now give your Inverters the power of Prime.
Presenting the Prime Inverter Series.
Power packed with the best-in-class features
so that you enjoy seamless power at your
workplaces and homes.



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Smart features

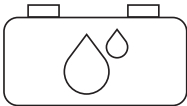
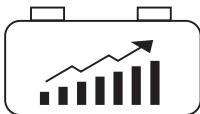
High Inrush Load Handling



Normal/High Output Voltage Modes

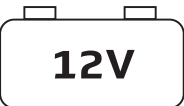
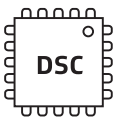


Battery Water Topping Reminder



Battery Gravity Builder

Single Battery Design



32 Bit DSC Based Design

PRIME 1050 TECHNICAL SPECIFICATIONS

Specifications	Acceptable values
Working Range Normal Backup Mode	
Capacity	900VA / 740W
Nominal Output Voltage at No Load in Normal Mode	220V \pm 5VAC
Nominal Output Voltage at No Load in UPS Mode	230V \pm 5VAC
Nominal Output Voltage at No Load In High Performance Mode (Select By Cabinet Back Side Selection Switch)	240V \pm 5VAC
Output Waveform (Backup Mode)	Sine Wave
Output Frequency (Backup Mode)	50Hz \pm 0.5Hz (In Normal / UPS Mode)
Normal Mode Mains Input Range in System ON Mode	90V To 290V \pm 10V
UPS Mode Mains Input Range in System ON Mode	180V To 260V \pm 5V
Output Voltage (ON Mains Mode)	Same as Input Voltage
Normal Mode Input Frequency Range in System ON Mode	43Hz To 57Hz \pm 0.5Hz
UPS Mode Input Frequency Range in System ON Mode	45Hz To 55 Hz \pm 0.5Hz
Normal Mode Transfer Time in System ON Mode	<30 mS
UPS Mode Transfer Time in System ON Mode	<10 mS
Recommended Battery	12V / up to 230Ah, 1No.
Charging Current in Normal Charging Mode	10A \pm 1A DC (By Back Side Selection Switch)
Charging Current in High Charging Mode	15A \pm 1A DC (By Back Side Selection Switch)
Protections in Backup & Mains Mode	Overload, Short Circuit, Input, Battery Low Voltage, Mains Voltage Low/High, Mains Input Frequency Low/High Cut Off, Mains Fuse Blown, Heat Sink Over Temperature, Battery Over Charging
LED Indications	For UPS Mode Selection, Mains ON, Battery Charging, Backup Mode, Battery Low, UPS Overload, UPS Output Short Circuit, Battery Water Topping, Inverter Switch ON & other faults with combinations of LED's
SHORT CIRCUIT PROTECTION	Provided with one retry
Soft Start	Provided
Generator Compatibility	Provided
Warranty	2 Years

PRIME 1450 TECHNICAL SPECIFICATIONS

Specifications	Acceptable values
Working Range Normal Backup Mode	
Capacity	1200VA / 840W
Nominal Output Voltage at No Load in Normal Mode	220V \pm 5VAC
Nominal Output Voltage at No Load in UPS Mode	230V \pm 5VAC
Nominal Output Voltage at No Load In High Performance Mode (Select By Cabinet Back Side Selection Switch)	240V \pm 5VAC
Output Waveform (Backup Mode)	Sine Wave
Output Frequency (Backup Mode)	50Hz \pm 0.5Hz (In Normal / UPS Mode)
Normal Mode Mains Input Range in System ON Mode	90V To 290V \pm 10V
UPS Mode Mains Input Range in System ON Mode	180V To 260V \pm 5V
Output Voltage (ON Mains Mode)	Same as Input Voltage
Normal Mode Input Frequency Range in System ON Mode	43Hz To 57Hz \pm 0.5Hz
UPS Mode Input Frequency Range in System ON Mode	45Hz To 55 Hz \pm 0.5Hz
Normal Mode Transfer Time in System ON Mode	<30 mS
UPS Mode Transfer Time in System ON Mode	<10 mS
Recommended Battery	12V / up to 230Ah, 1No.
Charging Current in Normal Charging Mode	12A \pm 1A DC (By Back Side Selection Switch)
Charging Current in High Charging Mode	17A \pm 1A DC (By Back Side Selection Switch)
Protections in Backup & Mains Mode	Overload, Short Circuit, Input, Battery Low Voltage, Mains Voltage Low/High, Mains Input Frequency Low/High Cut Off, Mains Fuse Blown, Heat Sink Over Temperature, Battery Over Charging
LED Indications	For UPS Mode Selection, Mains ON, Battery Charging, Backup Mode, Battery Low, UPS Overload,UPS Output Short Circuit, Battery Water Topping, Inverter Switch ON & other faults with combinations of LED's
SHORT CIRCUIT PROTECTION	Provided with one retry
Soft Start	Provided
Generator Compatibility	Provided
Warranty	2 Years

SALIENT FEATURES PRIME 1050 / 1450

- Normal/high voltage modes for different out put voltage performances
- High load handling capacity with in the mentioned capacity
- Digital Signal Controller based design for pure sinewave output
- Selectable charging mode for different battery technologies (Flat/Tubular battery) and capacities (80 to 230 Ah) using selector switch
- Battery Gravity Builder with overcharge and deep discharge protections
- Intelligent Fuzzy Logic Battery water topping reminder for water topping to avoid battery failures
- Use UPS/Normal modes easily from front switch - No need to put hand behind the inverter as in other products
- 10-15% higher back up than any other competitor brands
- Less energy consumption in a year as compared to any other brand

