

SMART DIGITAL INVERTER

— A Galaxy Product

Galaxy has created a milestone in field of power electronics by developing a unique technology Digital Inverter, This product is designed by keeping many factors in mind i.e Compact, Aesthetics, Safety, Environment-friendly as No Fumes from battery.



NEW PRODUCTS



UNIQUE FEATURES:

- Inbuilt Lithium Battery
- 3x Fast Charging
- Pure Sine Wave
- Battery life 10-12 Years
- UPS mode
- Solar Compatibility
- Highly Safe ; No Fumes Generated



OUR PRODUCTS

Galaxy is a leading ISO Certified MSME Organization renowned for providing Power conditioning solutions for all critical applications for more than a decade rich experience in power conditioning field. With continuous up gradation by strong R&D team. "Galaxy" Power products like UPS Systems, Servo Stabilizers, Solar UPS, Batteries and Inverters has been creating milestones in power conditioning field with successful Serving in power electronics field for more than 15 years.



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STANDARD TECHNICAL SPECIFICATIONS- Lithium Digital Sine Wave Inverter	
SERIES-MODEL	Galaxy-Li DSWI-3K
RATING	3.5 KVA
TECHNOLOGY	High End DSP Technology
INPUT	
Input Phase	Single Phase 2 Wire
Input Voltage Range	
Single Phase	220/230 VAC
Frequency	50 HZ +/- 10%
OUTPUT	
Output Wattage	2400 Watt
Out Put	Through Terminal Strip/ MCB
Output on Mains / UPS mode	
Single Phase	220/230 VAC (Grid Dependent)
Low Cutt Off	180 V
High Cutt Off	260 V
O/P Frequency	50 HZ +/- 0.1%
Change over time in UPS Mode	Less than 10 msec
Changeover time in Inverter Mode	Less than 40 msec
Power Factor	0.8 / >0.8 (Optional)
Battery Efficiency	>95%
Wave Form	Pure Sine wave
Over Load	100% Continuous ,110% for 10 min,
DC -Batteries Parameters	
Battery Type	Inbuilt Lithium Iron Phosphate (LiFePO4) battery
Nominal battery voltage	51.2
Battery Capacity	3KWhr
Max Discharge Current (Full Load	60 Amp
Max Charge Current	30A
Fan Run	On 50% Load
DC MCB	100 Amp
Recharge Time	3-4 Hrs
Extended Battery Packs	Available (Optional)
INTERFACE COMMUNICATION	
Optional	Bluetooth / CAN/RS232/ RS485 (Optional)
OTHERS	
Display (Imp. Parameters)	LCD display which shows the performance of the inverter (AC mains Voltage, Battery voltage, battery charging status, Load percentage, UPS ON/OFF, Over temperature, Fault, overload etc.
Operation with DG	Compatible with DG Power Source
Operating Temp. Humidity	0-40 °C Cooling Fan ON at 50% of rated load Cooling Fan OFF at 40% of rated load
Noise Level	Less than 45db at 1 mtr Distance
Protections	Overload Protection, Short circuit Protection, Over heating Protection, Overcharge protection, Over discharge protection, Battery deep discharge protection
Indications	AC Mains, Charging, UPS mode, Battery voltage
Alarms	Mains Fail, Overload, Battery low alarm
Compatibility	Solar charging through MC4 Plug and grid charging
Certifications and Approvals	ISO14001, 45001:2018, ISO 50001:2018, CE, ROHS.

Due to ongoing R&D and up-gradation Specification are subject to revise without any prior notifications.