

# SMART DIGITAL INVERTER WITH LITHIUM BATTERY

— 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.



**Contact Now**

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<b>STANDARD TECHNICAL SPECIFICATIONS- Lithium Digital Sine Wave Inverter</b>		
<b>SERIES-MODEL</b>	<b>Galaxy-Li DSWI-1.2K</b>	<b>Galaxy-Li DSWI-1.6K</b>
<b>RATING</b>	1200 va	1600va
<b>TECHNOLOGY</b>	High End DSP Technology	
<b>INPUT</b>		
Input Phase	Single Phase 2 Wire	
<b>Input Voltage Range</b>		
Single Phase	220/230 VAC	
Frequency	50 HZ +/- 10%	
<b>OUTPUT</b>		
Output Wattage	800 Watt	1200 Watt
Out Put	Through Industrial Plug 16 Amp 3PIN	
<b>Output on Mains / UPS mode</b>		
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	0.65 / >0.65 (Optional)	
Battery Efficiency	>95%	
Wave Form	Pure Sine wave	
Over Load	100% Continuous ,110% for 10 min,	
<b>DC -Batteries Parameters</b>		
Battery Type	Inbuilt Lithium Iron Phosphate (LiFePO4) battery	
Nominal battery voltage	12.8	25.6
Battery Capacity	As per backup requirement	
Max Discharge Current (Full Load	80 Amp	
Max Charge Current	35 Amp	
Fan Run	On 50% Load	
DC MCB	100 Amp	
Recharge Time	3-4 Hrs	
Extended Battery Packs	Available (Optional)	
<b>INTERFACE COMMUNICATION</b>		
Optional	Bluetooth / CAN/RS232/ RS485 (Optional)	
<b>OTHERS</b>		
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	Battery low alarm, 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	
Mounting	Wall Mounted	
Certifications and Approvals	ISO14001, 45001:2018, ISO 50001:2018, CE, ROHS.	
Dimensions in MM ( LxWxD )	510x430x180	525x390x240

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