

Gravity

— Power Solution —

SMART LITHIUM INVERTER

ALL IN ONE POWER BACKUP SOLUTION



 **3X FASTER CHARGING**

 **10+ YEARS BATTERY LIFE**

 **ZERO MAINTENANCE**

 **SMART TECHNOLOGY**



GRAVITY POWER SOLUTION

SMART LITHIUM INVERTER BATTERY

Smarter Power. Smarter India.

**Advanced Lithium Energy Systems Enabling
Reliable Backup, High Efficiency, and Intelligent Power
Control, LiFePO₄ Battery Technology**

Designed & Manufactured in India by
Gravity Power Solution





INTRODUCTION

LiSmart Pro is a next-generation smart lithium inverter designed and manufactured in India by Gravity Power Solution.

It combines advanced power electronics, intelligent battery management, and high-efficiency energy conversion to deliver reliable, clean, and stable backup power for modern homes and businesses.



Smart lithium technology powering homes, offices, and industries with efficiency, safety, and reliability

Why Choose **LiSmart Pro**?

Smart living needs smart energy.

LiSmart Pro delivers:



5x Longer Battery Life



3x Faster Charging



Zero Maintenance



Pure Sine Wave Output



Smart BMS Protection



No Voltage Drop



No Acid



No Smell



No Leakage

LiSmart Pro Series

Smart living needs smart energy. LiSmart Pro delivers:

Model	Output Power	System Voltage
LiSmart Pro 1000	800W	12V
LiSmart Pro 2000	1600W	24V
LiSmart Pro 3000	2400W	48V
LiSmart Pro 5000	4000W	48V

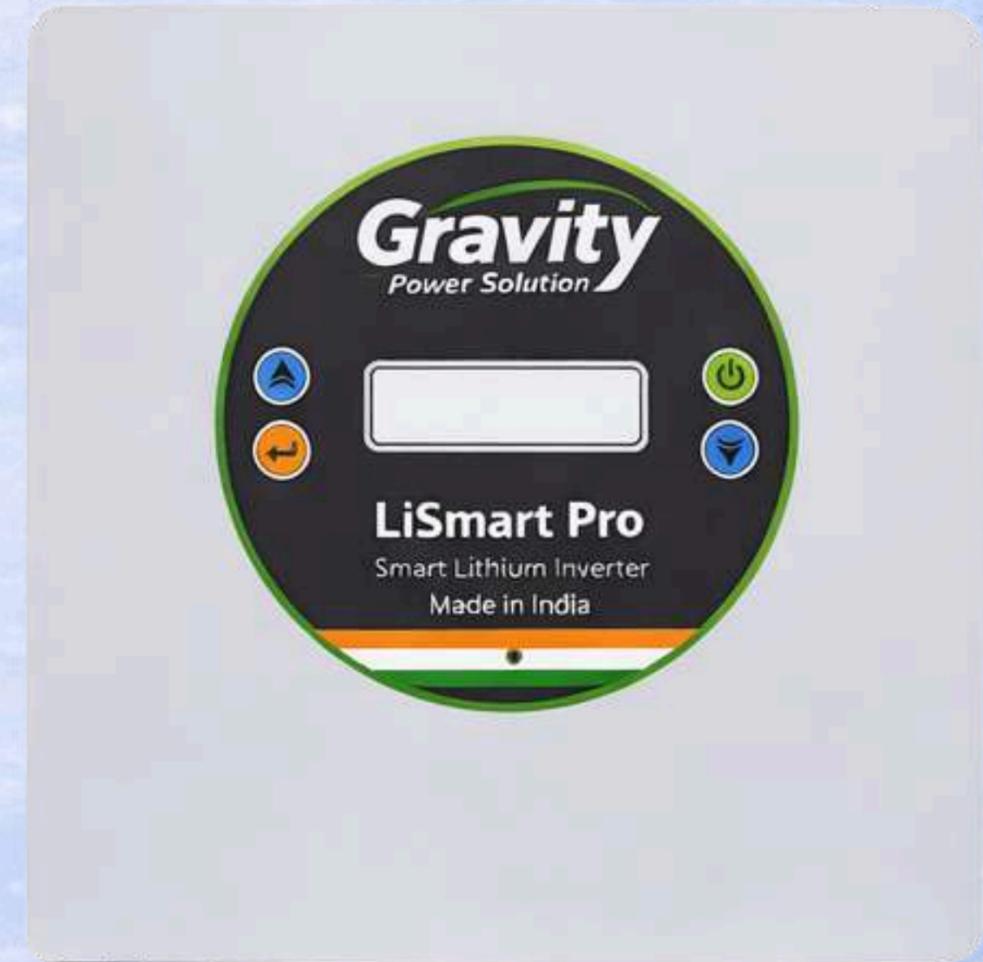
Next-Generation Smart Lithium Inverter

LiSmart Pro™ is a cutting-edge Smart Lithium Inverter platform built by Gravity Power Solution using advanced DSP control and LiFePO₄ battery technology.

It is designed to deliver:

- ✓ Stable power
- ✓ Ultra-fast backup switching
- ✓ Long life energy storage
- ✓ Maximum safety and reliability

LiSmart Pro replaces traditional lead-acid inverter systems with a high-efficiency systems with a high-efficiency lithium-based smart power system.



SMART BATTERY SYSTEM

Lithium Iron Phosphate (LiFePO_4)

LiSmart Pro uses safe, stable LiFePO_4 cells which provide:

- ✓ 3000–6000 charge cycles
- ✓ High temperature stability
- ✓ Zero risk of explosion
- ✓ Deep discharge capability
- ✓ Constant voltage output
- ✓ No Acid, No Smell, No Leakage



MODEL	LiSmart Pro 1000	LiSmart Pro 2000	LiSmart Pro 3000	LiSmart Pro 3000	LiSmart Pro 5000
MODEL	12 VDC	24 VDC	48 VDC	48 VDC	48 VDC
MODEL	DSP CONTROLLED				
TECHNOLOGY	DSP CONTROLLED				
INPUT PHASE	SINGLE PHASE (P + N + E)				
INVERTER MODE	100V - 300V AC				
UPS MODE	180V - 260V AC				
OUTPUT VOLTAGE	SAME AS INPUT				
	800 W	1600 W	2400 W	2400 W	4000 W
OUTPUT POWER	230V +/- 1%				
O/P FREQUENCY	50Hz +/- 0.1%				
O/P WAVE FORM	Pure Sine wave				
OVER LOAD	100% Continuous, 1100% for 1 min,				
TRANSFER TIME	< = 30 msec				
EFFICIENCY	> 95%				
BATTERY	LITHIUM IRON PHOSPHATE (LiFePO4)				
BATTERY VOLTAGE	12.8V	25.6V	3000 V	51.2V	51.2V
CHARGER TYPE	CCCV				
BMS TYPE	SMART BMS WITH ACTIVEBALNCER (Optional) 				
COMMUNICION	Bluetooth / CAN / RS232 / R5485 (Optional)				
MOUNTING	INPUT VOLTAGE, OUTPUT VOLTAGE, BATTERY VOLTAGE, OUTPUT POWER, CIARGING CURRENT,				
PROTECTIONS	BATTERY LOW, OVER LOAD, OVER LOAD, SHORT CIRCUIT MAINS FAIL!, BATTERY LOR, ORC				

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



SMART BMS

Intelligent Battery Management System

Built-in Smart BMS provides:

- ✓ Over-charge protection
- ✓ Over-discharge protection
- ✓ Short-circuit safety
- ✓ Temperature protection
- ✓ Cell balancing
- ✓ Longer battery life



DISPLAY & MONITORING

Smart LCD Control Panel

-  Input Voltage
-  Output Voltage
-  Battery Voltage
-  Load Percentage
-  Charging Status
-  Temperature
-  Fault Alarms



Made in India. Made by Gravity.



LiSmart Pro™ is proudly
Designed & Manufactured
in India by Gravity Power
Solution



10 Years Lithium Warranty



Expert Service Support



Nationwide Partner Network



“Powering India with Smart Energy”

Thank you for choosing **Gravity Power Solution.**

We are committed to delivering reliable, efficient, and future-ready power solutions designed to meet the evolving energy needs of homes, businesses, and industries.

With **LiSmart Pro Smart Lithium Inverter**, you invest in advanced technology, long life, and complete peace of mind — proudly **Designed & Manufactured in India.**

For product enquiries, dealership opportunities, technical support, or service assistance, feel free to contact us.

Gravity Power Solution

 Designed & Manufactured in India



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