

Hybrid Solar Inverter

CELLCRONIC

Galaxy-5K-HY-Version-10G-Pro Plus

Heavy Duty Inverter

“Unstoppable Power for Every Heavy Load.”



Smart solutions for a sustainable future

Hybrid Inverter delivers robust power performance with advanced solar, battery, and grid integration. Built to handle high loads, it ensures reliable, uninterrupted energy for demanding applications.

- ✓ Reducing electricity bills
- ✓ Increasing energy independence
- ✓ Contributing to environmental sustainability
- ✓ Supports heavy loads



Jerk Load

A new Soft Start function introduce to start the heavy motor without jerk.



Protection Degree IP 65

Designed with an IP65 protection rating for dustproof and waterproof performance.



Can Run 4 Air Conditioner

Inverter can run 4 air conditioners along with the rest of the home load effortlessly



Works as on-grid & off-grid

Supports seamless switching between on-grid and off-grid modes for uninterrupted power.



5 Years Standard warranty

Inverter comes with a 5-year standard warranty. It can be extended up to 10 years.

First Time in India.....



Heavy Duty

Heavy Duty Hybrid inverter launch in India



Air Conditioner

A 5kw model can run 4 AC with home load



<5ms

Inverters come with <5ms Switching time.

20

Parallel

20 Inverters can parallel with different capacity inverters



Earthing

Neutral to Ground earthing relay introduced for off-grid operation

09

Time of use

9 time of use function introduced for battery Charging/ Discharging



Voltage and Ampere

Function arrive to change Solar Voltage and Ampere acceptance in inverter solar input.



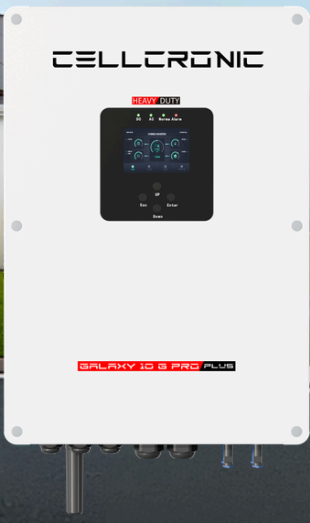
AC charging

can set AC charging percentage different from whole charging percentage to save bill.



Battery Charging

DC to DC converter introduce in Inverter to charge battery separately from extra solar DC power.



External Wi-Fi Module Supported



Built-in MPPT



Support Lithium Battery



Feed-in Grid Function



ARC Fault Detector optional



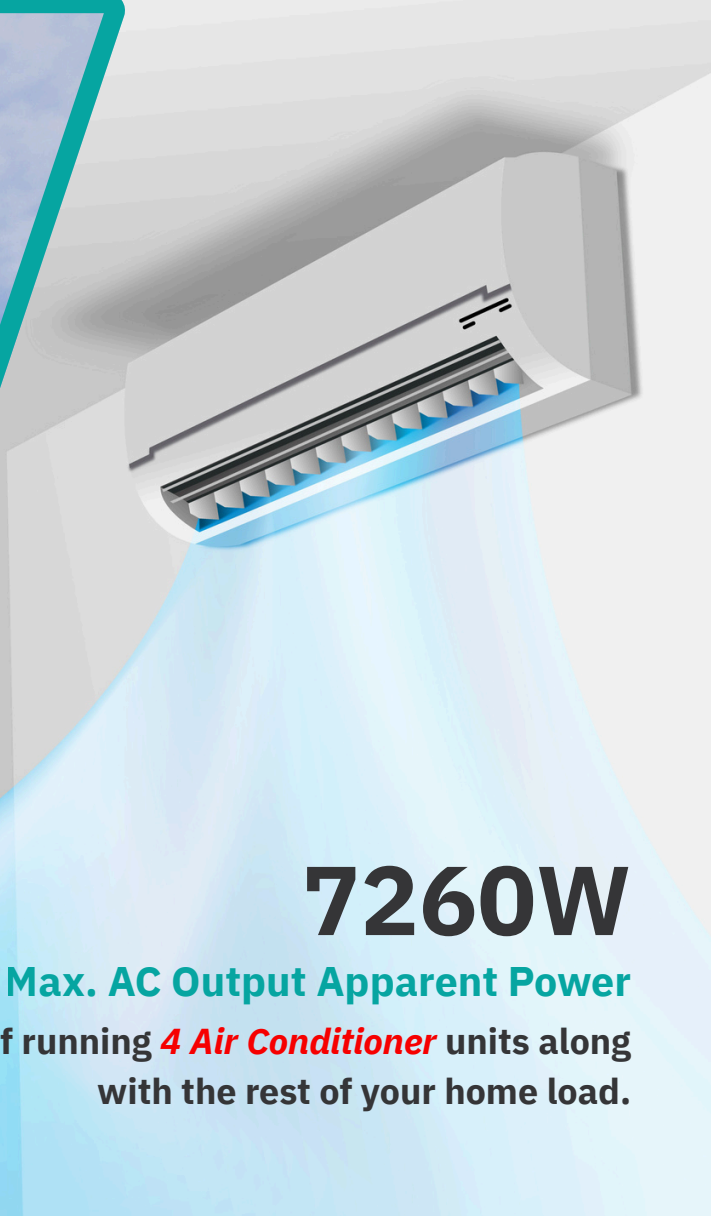
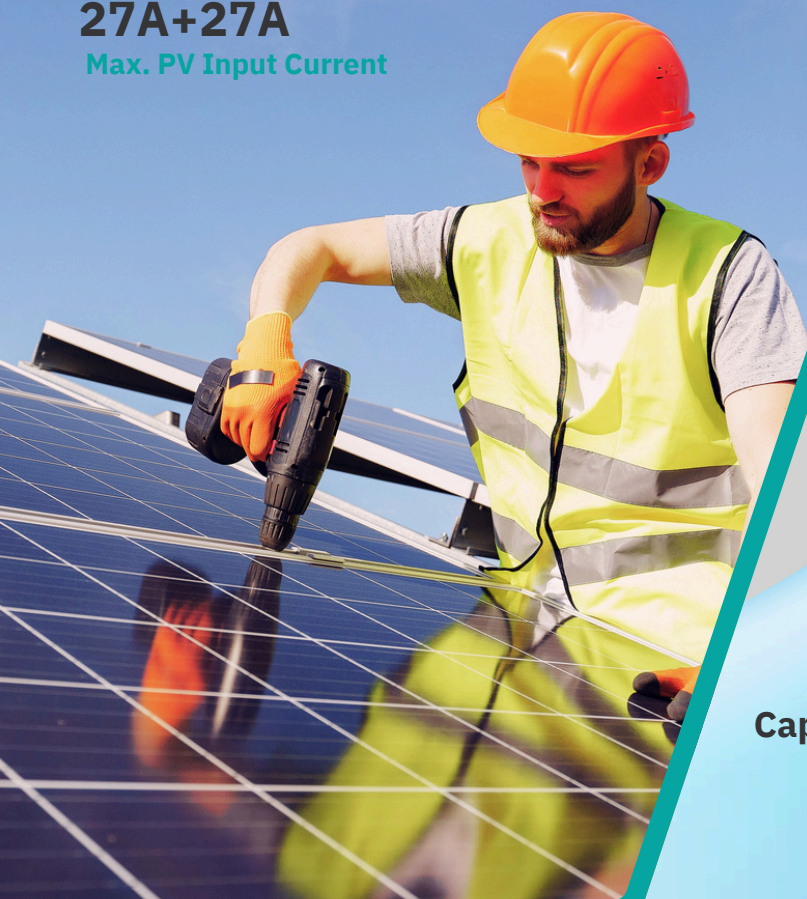
storing energy from diesel generator

12000W

Max. PV Input Power

27A+27A

Max. PV Input Current



7260W

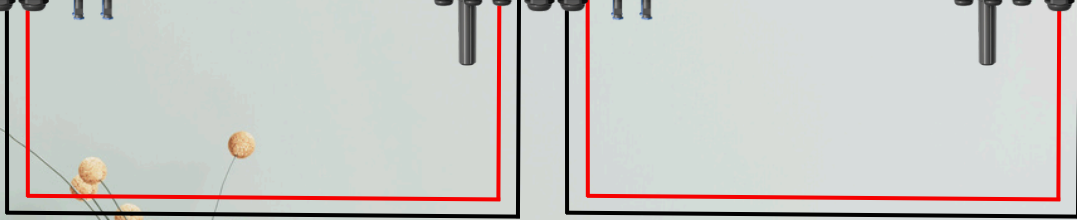
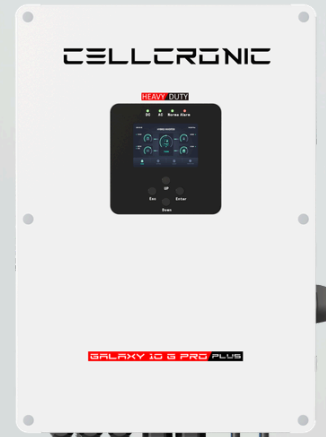
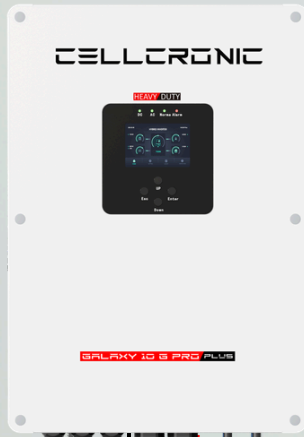
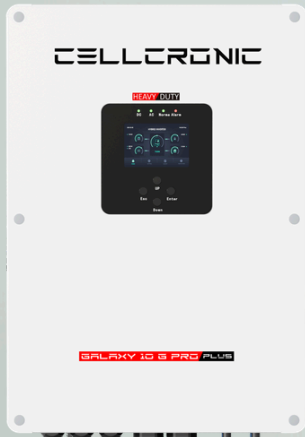
Max. AC Output Apparent Power

Capable of running **4 Air Conditioner** units along with the rest of your home load.

4Kw

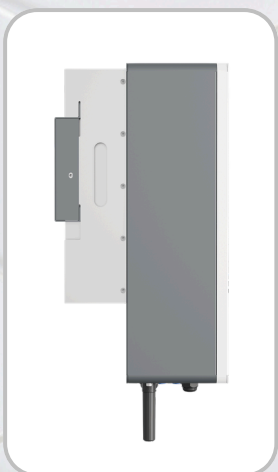
5Kw

6Kw



Support different power inverters parallel connection

Max. Charging/Discharging current of 150A



Model	Galaxy-5K-HY-Version-10G-Pro Plus Hybrid Inverter
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Nominal Battery Voltage	48
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	150
Max. Discharging Current (A)	150
Number of Battery Input	1
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. PV Input Power (W)	12,000 W
Max. PV Input Voltage (V)	500 V
Start-up Voltage (V)	125V
MPPT Voltage Range (V)	125V-500V
Max. PV Input Current (A)	18A+18A
Max. Short-Circuit Current (A)	27A+27A
No.of MPP Trackers	2
No.of Strings per MPP Tracker	1+1
AC Input/Output Data	
Rated AC Input/Output Active Power (W)	5000
Max. AC Input/Output Apparent Power (VA)	7260
Rated AC Input/Output Current (A)	21.8
Max. AC Input/Output Current (A)	31.6
Max. Input Power From Grid	9600W
Max. Continuous AC Passthrough (grid to load) (A)	40A
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor Adjustment Range	> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)
Rate Input/Output Voltage(V)	230
Rated Input/Output Grid Frequency/Range(Hz)	45Hz-55Hz/55Hz-65Hz (Adjustable)
Grid Connection Form	L+N+PE
Total Current Harmonic Distortion THDi	THD<3%(Linear load <1.5%)
DC Injection Current	<0.5% In
Efficiency	
Max. Efficiency (PV to AC)	97.6%
Eur. Efficiency (PV to AC)	96.8%
MPPT Efficiency	99.0%
Equipment Protection	
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output ShortedProtection
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Display	LED, LCD
Communication	RS485/CAN (for BMS), RS485 (for Meter), DRMs, CAN (for parallel), 2*DO, 2*DI, USB (for Wi-Fi/LAN, optional)
General Data	
Operating Temperature Range (°C)	-45~60, >45 Derating
Relative Humidity	0-100%
Max. Operation Altitude	4000m (>2000m derating)
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Type of Cooling	Smart Cooling
Communication with BMS	RS485; CAN
Weight (kg)	23 Kg
Cabinet Size (WxHxD mm)	350mm*500mm*256mm
Ingress Protection(IP) Rating	IP65
Installation Style	Wall-Bracket
Grid Regulation	CEI 0-21,VDE-AR-N 4105,NRS 097,IEC61727,G99,G98,VDE 0126-1-1,RD 1699,C10-11
Safety / EMC Standard	IEC/ED 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4
Warranty	5 Years Standard & upto 5 Years expendable