

# Hybrid Solar Inverter

CELLCRONIC

## Galaxy-8K-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



### Protection Degree IP 65

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



### Can Run 6 Air Conditioner

Inverter can run 6 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 8kw model can run 6 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



Build in Dual MPPT



Support Lithium Battery



Feed in Grid Function



ARC Fault Detector optional



storing energy from diesel generator



# 9600W

Max. AC Output Apparent Power

Capable of running **6 Air Conditioner** units along with the rest of your home load.

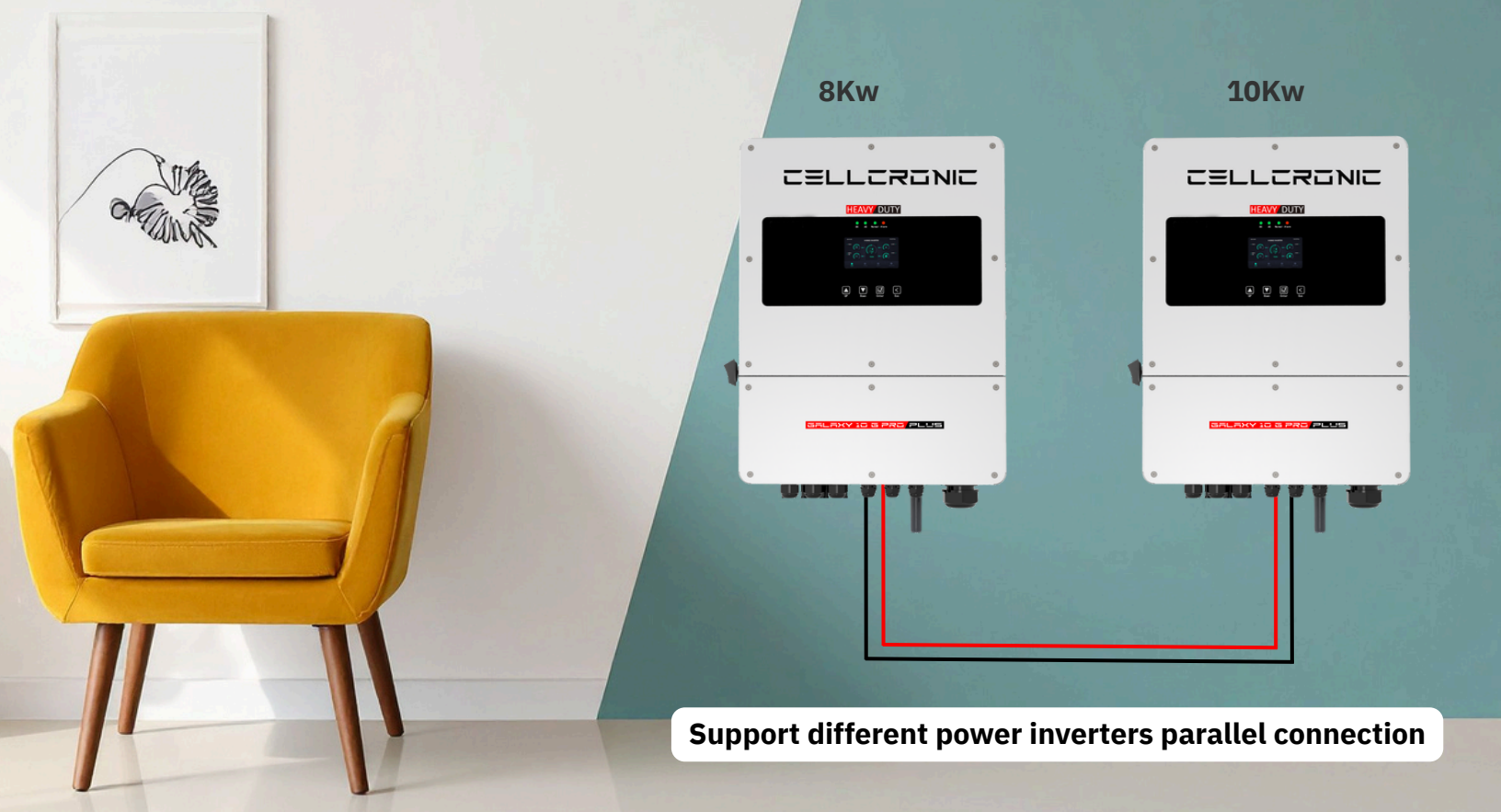


# 13000W

Max. PV Input Power

# 34A+34A

Max. PV Input Current



Support different power inverters parallel connection



Max. Charging/Discharging current of 190A



Model	Galaxy-8K-HY-Version-10G-Pro Plus Hybrid Inverter
<b>Battery Input Data</b>	
Battery Type	Lead-acid or Lithium-ion
Nominal Battery Voltage	48
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	190
Max. Discharging Current (A)	190
Number of Battery Input	1
Charging Curve	3 Stages/Equalization
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
<b>PV String Input Data</b>	
Max. PV Input Power (W)	13,000 W
PV Input Voltage (V)	370 (125V-500V)
Max. PV Input Voltage (V)	500 V
Start-up Voltage (V)	120V
MPPT Voltage Range (V)	150V-500V
Max. PV Input Current (A)	26A+26A
Max. Short-Circuit Current (A)	34A+34A
No.of MPP Trackers	2
No.of Strings per MPP Tracker	2+2
<b>AC Input/Output Data</b>	
Rated AC Input/Output Active Power (W)	8000
Max. AC Input/Output Apparent Power (VA)	9600
Rated AC Input/Output Current (A)	34.78
Max. AC Input/Output Current (A)	41.73
Max. Input Power From Grid	12000W
Max. Continuous AC Passthrough (grid to load) (A)	50A
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
<b>Efficiency</b>	
Max. Efficiency (PV to AC)	97.9%
Euro Efficiency (PV to AC)	97.0%
MPPT Efficiency	99.0%
<b>Equipment Protection</b>	
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)
<b>Interface</b>	
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)
<b>General Data</b>	
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)	34/35 Kg
Cabinet Size (WxHxD mm)	G1: 514W×749H×291D/G2: 514W×665H×292D
Ingress Protection(IP) Rating	IP65
Installation Style	Wall-Mounted
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