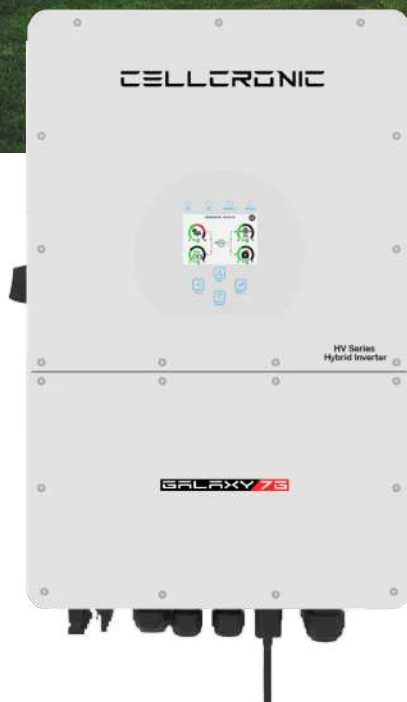


Three Phase Hybrid Inverter

Galaxy 7G EU 20KW



- 100** 100% unbalanced output, each phase
- AC** AC couple to retrofit existing solar system
- 10** *Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel
- 50** Max. charging/discharging current of 50A
- H** High voltage battery, higher efficiency
- 6** 6 time periods for battery charging/discharging
- GEN** Support storing energy from diesel generator

Model	Galaxy 7G EU 20kw
Battery Input Data	
Battery Type	Lithium-ion
Battery Voltage Range (V)	160~700
Max. Charging Current (A)	37
Max. Discharging Current (A)	37
Number of battery input	1
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. DC Input Power (W)	26000
Max. DC Input Voltage (V)	1000
Start-up Voltage (V)	180
MPPT Voltage Range (V)	150-850
Full Load DC Voltage Range (V)	500-850
Rated DC Input Voltage (V)	600
PV Input Current (A)	26+26
Max. PV I _{SC} (A)	39+39
No.of MPP Trackers	2
No.of Strings per MPP Tracker	2+2
AC Output Data	
Rated AC Output and UPS Power (W)	20000
Max AC Output Active Power (W)	22000
AC Output Rated Current (A)	30.4/29
Max AC Output Current (A)	33.4/31.9
Max. Three-phase Unbalanced Output Current (A)	35
Max. Continuous AC Passthrough (A)	80
Peak Power (off grid)	1.5 time of rated power, 10 S
Generator input/Smart load/AC couple current (A)	30.4/80/30.4
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three Phase
Total Harmonic Distortion (THD)	<3% (of nominal power)
DC current injection	<0.5% In
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Protection	
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection
Output Over Voltage Protection	DC Type II/AC Type III
Certifications and Standards	
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
General Data	
Operating Temperature Range (°C)	-40~60°C, >45°C derating
Cooling	Smart cooling
Noise (dB)	≤55 dB
Communication with BMS	RS485; CAN
Weight (kg)	30.5
Size (mm)	408×638×237 (Excluding Connectors and Brackets)
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years

*Note: The function of Multiple units work in parallel mode will be available in Q1 2023