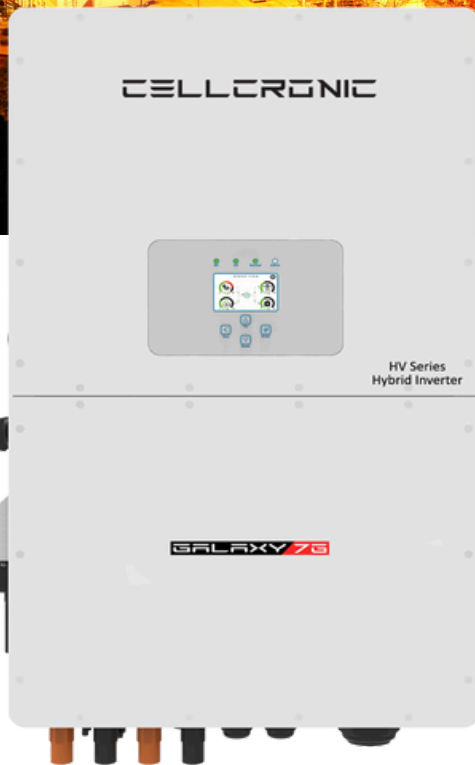


Three Phase Hybrid Inverter

Galaxy 7G EU 50Kw



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system



Max. 10 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Max. charging/discharging current of 100A



6 time periods for battery charging/discharging



Support storing energy from diesel generator



Rated AC Input/Output Active Power 50000W



Max. PV Input Power 65000W

Model	Galaxy 7G EU 50Kw
Battery Input Data	
Battery Type	Lithium-ion
Battery Voltage Range (V)	160~800
Max. Charging Current (A)	50+50
Max. Discharging Current (A)	50+50
Number of battery input	2
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. DC Input Power (W)	65000
Max. DC Input Voltage (V)	1000
Start-up Voltage (V)	180
MPPT Voltage Range (V)	150-850
Full Load DC Voltage Range (V)	450-850
Rated DC Input Voltage (V)	600
PV Input Current (A)	36+36+36+36
Max. PV I _{SC} (A)	55+55+55+55
No.of MPP Trackers	4
No.of Strings per MPP Tracker	2+2+2+2
AC Output Data	
Rated AC Output and UPS Power (W)	50000
Max AC Output Active Power (W)	55000
AC Output Rated Current (A)	75.8/72.5
Max AC Output Current (A)	83.4/79.7
Max. Three-phase Unbalanced Output Current (A)	83.3
Max. Continuous AC Passthrough (A)	200
Peak Power (off grid)	1.5 time of rated power, 10 S
Generator input/Smart load/AC couple current (A)	75.8 / 200 / 75.8
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)	THD<3%(Linear load<1.5%)
DC current injection	<0.5% In
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Protection	
Integrated	DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection DC Terminal Insulation Impedance Monitoring, DC Component Monitoring, Ground Fault Current Monitoring Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch Overvoltage Load Drop Protection, Residual Current (RCD) Detection, Surge protection level
Output Over Voltage Protection	DC Type II/AC Type III
Certifications and Standards	
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105
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	Intelligent Air Cooling
Noise (dB)	≤65 dB
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Communication with BMS	RS485; CAN
Weight (kg)	80
Size (mm)	527W×894H×294D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy