

# HYBRID SOLAR INVERTER

## Galaxy 7G PRO 5kw-48V Single Phase



LCD Screen, IP65 Protection degree

16

Max. 16pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Compatible with lead-acid batteries and lithium battery energy storage systems

135

Max. charging/discharging current of 135A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator



Maximum DC input power 9000W



Maximum AC Output Active Power 6600W



6 years warranty

## Technical Data

[www.cellcronic.com](http://www.cellcronic.com)

Model	Galaxy 7G PRO 5Kw-48V
<b>Battery Input Data</b>	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40~60
Max. Charging Current (A)	135
Max. Discharging Current (A)	135
External Temperature Sensor	Yes
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
<b>PV String Input Data</b>	
Max. DC Input Power (W)	9000W
Rated PV Input Voltage (V)	370V (125V~500V)
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150V-425V
Full Load DC Voltage Range (V)	300-425
PV Input Current (A)	13+13
Max. PV I <sub>SC</sub> (A)	18+18
No.of MPP Trackers	2
No.of Strings per MPP Tracker	1
<b>AC Output Data</b>	
Rated AC Output Active Power (W)	6000W
Max AC Output Active Power (W)	6500W
AC Output Rated Current (A)	27.3/26.1
Max AC Output Current (A)	30/28.7
Max. Continuous AC Passthrough (A)	40A
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; L/N/PE 220/230Vac (Single Phase)
Grid Type	Single Phase
Total Harmonic Distortion (THD)	<3% (of nominal power)
DC current injection	<0.5% I <sub>n</sub>
<b>Efficiency</b>	
Max. Efficiency	97.60%
Euro Efficiency	96.50%
MPPT Efficiency	99.90%
<b>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 Shorted Protection, Surge protection
Output Over Voltage Protection	DC Type II/AC Type III
<b>Certifications and Standards</b>	
Grid Regulation	VDE4105, IEC61727, 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
<b>General Data</b>	
Operating Temperature Range (°C)	-25~60°C, >45°C Derating
Cooling	Smart cooling
Noise (dB)	≤30 dB
Communication with BMS	RS485; CAN
Weight (kg)	20.5
Size (mm)	330W x 580H x 232D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	6 years