

HYBRID SOLAR INVERTER

Galaxy 6G EU 3KW



LCD Screen, IP65 Protection degree

16

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

140

Max. charging/discharging current of 140A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator



Maximum DC input power 4800W



Rated AC Input/Output Power 3000



5 years warranty

Model	Galaxy 6G EU 3KW 24V Hybrid Solar Inverter
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	20~30
Max. Charging Current (A)	140
Max. Discharging Current (A)	140
Number of Battery Input	Yes
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
No. of Battery Input	1
PV String Input Data	
Max. DC Input Power (W)	4800
Max. PV Input Voltage (V)	500
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425V
Rated PV Input Voltage (V)	370
Max. Operating PV Input Current (A)	13
Max. Input Short-Circuit Current (A)	17
No.of MPP Trackers	1
No.of Strings per MPP Tracker	1
AC Input/Output Data	
Rated AC Output Active Power (W)	3000W
Max AC Output Active Power (W)	3300W
AC Output Rated Current (A)	13.6/13
Max AC Output Current (A)	15/14.3
Max. Continuous AC Passthrough (A)	35A
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 220V/230 0.85Un-1.1Un
Grid Type	Single Phase
Total Harmonic Distortion (THD)	THD<3%(Linear load<1.5%)
DC current injection	<0.5% In
Efficiency	
Max. Efficiency	97.6%
Euro Efficiency	96.5%
MPPT Efficiency	>99%
Equipment 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
Surge Protection Level	TYPE II(DC), TYPE II(AC)
Interface	
Communication Interface	RS485/RS232/CAN
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN(optional)
General Data	
Operating Temperature Range (°C)	-40 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	2000m
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Type of Cooling	Natural Cooling
Noise (dB)	<30
Communication with BMS	RS485; CAN
Weight (kg)	17
Cabinet Size (WxHxD mm)	330×433×229 (Excluding Connectors and Brackets)
Ingress Protection(IP) Rating	IP65
Installation Style	Wall-mounted
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 5 Years/10 Years
Warranty	the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy