

Hybrid Inverter

Galaxy 6G EU 16KW Single Phase



Colorful touch LCD, IP65 protection degree



DC couple and AC couple to retrofit existing solar system

16

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

290

Max. charging/discharging current of 290A

6

6 time periods for battery charging/discharging



Support storing energy from diesel generator

Technical Data

Model		Galaxy 6G EU 16Kw
Battery Data		
Battery Type	Lead-acid or Li-Ion	
Battery Voltage Range (V)	40~60	
Max. Charging Current (A)	290	
Max. Discharging Current (A)	290	
External Temperature Sensor	Yes	
Charging Curve	3 Stages / Equalization	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	
PV String Input Data		
Max. DC Input Power (W)	20800	
Max. DC Input Voltage (V)	500	
Start-up Voltage (V)	125	
MPPT Range (V)	150-425	
Rated DC Input Voltage (V)	370	
PV Input Current (A)	26+26+26	
Max. PV I _{sc} (A)	44+44+44	
No. of MPP Trackers	3	
No. of Strings per MPP Tracker	2	
AC Output Data		
Rated AC Output Power (W)	16000	
AC Output Rated Current (A)	72.7/69.6	
Max. Continuous AC Passthrough (A)	100	
Peak Power (off grid)	2 time of rated power, 5 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 _n	
Backup Data		
Backup Power (W)	14000	
Backup Rated Current (A)	63.6/60.9	
Backup UPS	6ms Automatic switchover time	
Efficiency		
Max. Efficiency	97.60%	
Euro Efficiency	96.50%	
MPPT Efficiency	99.90%	
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	
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)	<30 dB	
Communication with BMS	RS485; CAN	
Weight (kg)	48.5	
Size (mm)	464W×798.4H×300D	
Protection Degree	IP65	
Installation Style	Wall-mounted	
Warranty	5 years	
Features		
Max. Number of Parallel (PCS)	16	