

Galaxy-8K/10K-HY Solar Inverter



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system



Max. 20 pcs parallel for on-grid and off-grid operation; Support multiple batteries parallel



Max. charging/discharging current of 210A



9 time periods for battery charging/discharging



Support storing energy from diesel generator



Max. AC Input/Output Active Power 12000W



Max. PV Input Power 15000W



Protection Degree IP 65
Designed with an IP65 protection rating for dustproof and waterproof performance.



Can Run & Air Conditioner
Inverter can run & air conditioners along with the rest of the home load effortlessly.



Works as on-grid & off-grid
Inverter can run & air conditioners along with the rest of the home load effortlessly.



5 Years Standard warranty
Inverter comes with a 5-year standard warranty. It can be extended up to 10 years.



Parallel Connection
Support different power inverters parallel connection

Technical Data

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Model	Galaxy-8K-HY-Version-10G-Pro Plus	Galaxy-10K-HY-Version-10G-Pro Plus
Battery Input Data		
Battery Type	Lead-acid or Lithium-ion	
Nominal Battery Voltage	48	
Battery Voltage Range (V)	40~60	
Max. Charging Current (A)	190	210
Max. Discharging Current (A)	190	210
Number of Battery Input	1	
Charging Curve	3 Stages/Equalization	
External Temperature Sensor	Optional	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	
PV String Input Data		
Max. PV Input Power (W)	13,000 W	15,000 W
PV Input Voltage (V)	370 (150V-425V)	
Max. PV Input Voltage (V)	500 V	
Start-up Voltage (V)	120V	
Max. PV Input Current (A)	26A+26A	
Max. Short-Circuit Current (A)	34A+34A	
No.of MPP Trackers	2	
No.of Strings per MPP Tracker	2+2	
AC Input/Output Data		
Rated AC Input/Output Active Power (W)	8000	10000
Max. AC Input/Output Apparent Power (VA)	9600	12000
Rated AC Input/Output Current (A)	34.78	43.5
Max. AC Input/Output Current (A)	41.73	52.2
Max. Continuous AC Passthrough (grid to load) (A)	50A	60A
Peak Power (off grid)	2 time of rated power, 10 S	
Power Factor Adjustment Range	> 0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)	
Rate Input/Output Voltage(V)	230	
Rated Input/Output Grid Frequency/Range(Hz)	45Hz-55Hz/55Hz-65Hz (Adjustable)	
Grid Connection Form	L+N+PE	
Total Current Harmonic Distortion THDi	THD<3%(Linear load <1.5%)	
DC Injection Current	<0.5% In	
Efficiency		
Max. Efficiency (PV to AC)	97.9%	
Euro Efficiency (PV to AC)	97.0%	
MPPT Efficiency	99.0%	
Equipment Protection		
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 ShortedProtection	
Surge Protection Level	TYPE II(DC), TYPE II(AC)	
Interface		
Display	LED, LCD	
Communication	RS485/CAN (for BMS), RS485 (for Meter), DRMs, CAN (for parallel), 2*DO, 2*DI, USB (for Wi-Fi/LAN, optional)	
General Data		
Operating Temperature Range (°C)	-45~60,>45 Derating	
Relative Humidity	0-100%	
Max. Operation Altitude	4000m (>2000m derating)	
Inverter Topology	Non-Isolated	
Over Voltage Category	OVC II(DC), OVC III(AC)	
Type of Cooling	Smart Cooling	
Communication with BMS	RS485; CAN	
Weight (kg)	34/35 Kg	
Cabinet Size (WxHxD mm)	514W×665H×292D	
Ingress Protection(IP) Rating	IP65	
Installation Style	Wall-Mounted	
Grid Regulation	CEI 0-21,VDE-AR-N 4105,NRS 097,IEC61727,G99,G98,VDE 0126-1-1,RD 1699,C10-11	
Safety / EMC Standard	IEC/ED 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4	
Warranty	5 Years Standard & upto 5 Years expendable	