

HYBRID SOLAR INVERTER

Galaxy-5K-Version-10G-Pro

Price
₹126,784.82
Exl GST



LCD Screen, IP66 Protection degree



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



Max. charging/discharging current of 135A



Dual output for Normal & smart Load and Dual Input for Grid and Generator



Support storing energy from diesel generator



Maximum DC input power 12,000W



Maximum AC Output Active Power 6600W



5 Years warranty/Expendable up to 10 years

Model	Galaxy_5K_Version_10G_Pro Hybrid Solar Inverter
Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40~60 VDC
Battery Voltage VDC	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
Maximum Solar Charging Current	135 A
Maximum AC Charging Current	135 A
Maximum Charging Current	135 A
PV String Input Data	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Power	12000 W
No. of MPP Tracker	2
No.of Strings per MPP Tracker	2+2
Maximum PV Input Current	21 A+21 A
Max. Short-Circuit Current (A)	27 A+27 A
MPPT Voltage Range	120 VDC-450 VDC
AC Input/Output Data	
AC Output No.	Dual Outputs
Rated AC Input/Output Active Power (W)	5000
Max. AC Input/Output Apparent Power (VA)	6600
Rated AC Input/Output Current (A)	21.8 A
Max. AC Input Current (A)	28.7 A
Peak Power (off grid)	2 time of rated power, 10 ms (12000VA)
AC Start-up Voltage/ Auto Restart Voltage	60-80 VAC/ 180 VAC
Acceptable Input Voltage Range	90-280 VAC or 170-280 VAC
AC Output voltage Range	184-264.5 VAC or 195.5 -253 VAC or 182-260 VAC (Selectable)
Power Factor	> 0.99
Rated Input/Output Grid Frequency/Range(Hz)	50/60 Hz (Auto Sensing)
Grid Connection Form	L+N+PE
Total Current Harmonic Distortion THDi	<3% (of nominal power)
DC Injection Current	<0.5% In
Efficiency	
Max. Efficiency	93.0%
Euro Efficiency	95.0%
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	
Display	7 Inch LCD Display
Communication	RS485/CAN (for BMS), RS485 (for Meter), DRMs, CAN (for parallel), 2*DO, 2*DI
General Data	
Operating Temperature Range (°C)	-10°C to +50°C
Permissible Ambient Humidity	0%-100% Relative Humidity (Non- condensing)
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Type of Cooling	Fan Cooling
Noise (dB)	<30
Communication with BMS	RS232/RS485/ WIFI
Weight (kg)	25 Kg
Cabinet Size (WxHxD mm)	192×414×630
Ingress Protection(IP) Rating	IP66
Installation Style	Wall-mounted
Parallel Function	16 Units
Safety / EMC Standard	IEC/EN 61000-6-2/4, IEC/EN 62109-1, IEC/EN 62109-2
Warranty	5 Years Standard Warranty/ Expendable upto 10 years