

HEAVY DUTY

CELLCRONIC

HYBRID SOLAR INVERTER

Galaxy-3K/4.4K-Version-10G-Pro Plus



Colorful touch LCD, IP65 protection degree



AC couple to retrofit existing solar system



Max. charging/discharging current of 171A



9 time periods for battery charging/discharging



Support storing energy from diesel generator



Max. AC Output Power 3600W/5500W



Max. PV Input Power 7200W



5 Years Standard Warranty

Technical Data

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Model	Galaxy-3K-Version-10G-Pro Plus	Galaxy-4.4K-Version-10G-Pro Plus
Battery Input Data		
Battery Type	Lead-acid or Lithium-ion	
Nominal Battery Voltage	24	
Battery Voltage Range (V)	20~30VDC	
Max. Charging Current (A)	141	171
Max. Discharging Current (A)	141	171
Number of Battery Input	1	
Charging Strategy for Li-Ion Battery	Self-adaption to BMS	
PV String Input Data		
Max. PV Input Power (W)	7200 W	
Max. PV Input Voltage (V)	500 V	
Start-up Voltage (V)	125V	
MPPT Voltage Range (V)	370V (125V-500V)	
MPPT Input Range(V)	150-425	
Max. PV Input Current (A)	15A	
Max. Short-Circuit Current (A)	18A	
No.of MPP Trackers	1	
No.of Strings per MPP Tracker	1	
AC Input/Output Data		
Rated AC Input/Output Active Power (W)	3000	4400
Max. AC Input/Output Apparent Power (VA)	3600	5500
Rated AC Input/Output Current (A)	13	19.1
Max. AC Input/Output Current (A)	15.6	23.9
Max. Continuous AC Passthrough (grid to load) (A)	29A	
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)	220/230	
Rated Input/Output Grid Frequency/Range(Hz)	50Hz/45Hz-55Hz 60Hz/55Hz-65Hz	
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)	97.6%	
Eur. Efficiency (PV to AC)	96.5%	
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	
Monitor Mode	WIFI	
General Data		
Operating Temperature Range (°C)	-40~60,(>45°C derating)	
Relative Humidity	0-100%	
Permissible Altitude	2000m	
Noise	<55dB	
Inverter Topology	Non-Isolated	
Over Voltage Category	OVC II(DC), OVC III(AC)	
Type of Cooling	Air Cooling	
Weight (kg)	10 Kg	
Cabinet Size (WxHxD mm)	380*380*120(Excluding connectors and brackets)	
Ingress Protection(IP) Rating	IP65	
Installation Style	Wall-Bracket	
Safety / EMC Standard	IEC/ED 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1, IEC/EN 61000-6-3	
Warranty	5 Years Standard	