

INVERTERS

G6-EH3P(80-125)K10-NV-YD-H

Hybrid inverter · Three-phase · 80 – 125 kW · 3 models


80 – 125 kW

RATED POWER

Three-phase

PHASE

10

MPPT TRACKERS

97.5 %

MAX. EFFICIENCY

Parameter	Unit	G6-EH3P80K10-NV-YD-H	G6-EH3P100K10-NV-YD-H	G6-EH3P125K10-NV-YD-H
PV input				
Max. PV input power	W	160000	200000	250000
Max. usable PV input power	W	160000	200000	250000
Max. PV input voltage	V	1000		
Rated PV input voltage	V	600		
MPPT voltage range	V	150 – 950		
Start-up voltage	V	180		
Max. input current per MPPT	A	42		
Max. short-circuit current per MPPT	A	60		
Number of MPPT trackers		10		
Max. number of PV input strings		20		
Max. input current per string	A	21		
AC output				
Rated output power	W	80000	100000	125000
Max. apparent power	VA	80000	100000	125000
Rated AC voltage	V	380		
Rated AC output current	A	121.6	151.9	189.9
Phase		Three-phase		
Rated AC frequency	Hz	50		
Power factor		>0.99 (0.8 leading to 0.8 lagging)		
Total harmonic distortion (THDi)	%	<3		
Grid connection type		3/N/PE, 220 V / 380 V		
Max. AC input power (grid side)	W	80000	100000	125000
AC input voltage range (grid side)	V	304 – 460		

Parameter	Unit	G6-EH3P80K10-NV-YD-H	G6-EH3P100K10-NV-YD-H	G6-EH3P125K10-NV-YD-H
Max. AC input current (grid side)	A	121.6	151.9	189.9
Max. single-phase load capability		33% of rated power		
Grid-side three-phase unbalance support		Yes		
Max. parallel system capacity	kW	1250		
Battery				
Battery type		LiFePO4		
Battery voltage range	V	300 – 950		
Max. charge current	A	200		
Max. discharge current	A	200		
Number of battery ports / BMS ports		2		
Max. charge/discharge current per battery port	A	100		
Battery communication		CAN		
Compatible battery capacity	Ah	100 – 314		
Efficiency				
Max. efficiency	%	97.5		
European efficiency	%	96.9	97.1	97.2
Battery charging efficiency	%	98.2 / 97.0		
Battery discharging efficiency	%	97.0		
Protection				
Protection functions		Surge protection (DC Type II / AC Type II); AC output overcurrent protection; Insulation resistance protection; Residual current (RCD) detection; Integrated PV switch; DC reverse polarity protection; DC arc fault protection (optional); Anti-islanding protection		
Protection class / overvoltage category		Class I / DC II, AC III		
General data				
Dimensions (W x H x D)	mm	1174 × 814 × 400		
Weight	kg	170		
Ingress protection (IP rating)		IP66		
Operating temperature range	°C	–25 – 60		
Relative humidity	%	0 – 100		
Max. operating altitude	m	3000		
Cooling		Intelligent redundant air cooling		
Topology		Non-isolated		
Night-time power consumption	W	<45		
PV connector		MC4 quick connector		
Battery connector		Through-wall terminal		
AC connector		Terminal block		
PV coupling		DC and AC coupling		

Parameter	Unit	G6-EH3P80K10-NV-YD-H	G6-EH3P100K10-NV-YD-H	G6-EH3P125K10-NV-YD-H
Demand control and anti-reverse-flow function		Yes		
Dynamic reactive power compensation		Yes		
Patented heat-dissipation technology		Yes		
Communication				
Display		7-inch display; Bluetooth + app		
Communication interfaces		4G (data logger); CAN-BMS x 2; CAN-Parallel x 2; LAN; RS485-Meter; RS485; DRM; DI x 5; DO x 4		
Monitoring		Integrated cloud platform: remote control, AI strategies, instant fault troubleshooting		

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

E-mail lidreamtec@163.com
WhatsApp +86 133 5280 0772