



X3 GENKi

Product Datasheet

10kW - Three Phase Inverter

Manufactured by SolaX Power

DC INPUT

Max. PV Array [Wp]	20000
Max. PV Input Power [W]	20000
Max. PV Input Voltage [V]	1000
Start Output Voltage [V]	150
Nominal Input Voltage [V]	640
MPPT Voltage Range [V]	160 ~ 950
No. of MPPT / Strings per MPPT	2(2 / 1)
Max. Input Current [A]	36 / 18
Max. Short Circuit Current [A]	50 / 25

BATTERY DATA

Battery Type	Lithium / Lead-Acid
Battery Voltage Range [V]	40 ~ 60
Nominal Battery Voltage [V]	48
Max. Charging Voltage [V]	≤60(Adjustable)
Max. Charging / Discharging Current [A]	250
Charging Strategy for Li-ion Battery	Self Adaption to BMS
Charging Strategy for Lead Acid Battery	3 Stages Curves
Temperature Sensor	Yes

EPS OUTPUT (WITH BATTERY)

Nominal Output Power [W]	10000
Peak Apparent Power ¹ sun+BAT [W, s]	2 times of rated power , 10
Nominal AC Output Frequency [Hz]	50 / 60
Nominal AC Output Current [A]	14.50
Nominal AC Voltage	220 / 380, 230/400
Switch Time	< 6ms
THDv (linear load) [%]	< 2%

AC INPUT(GEN)

Nominal GEN Voltage, Frequency	220 / 380, 230 / 400 a.c. V, 50/60Hz
Nominal GEN Input Power	10000W
Nominal GEN Input Current	29A

SYSTEM DATA

MPPT Efficiency [%]	> 99.9
Max. Efficiency [%]	97.6
Euro. Efficiency [%]	97.0

PROTECTION DECIVE

PV String Input Reverse Polarity Protection	Yes
Insulation Resistor Detection	Yes
Residual Current Monitoring Unit	Yes
Output Over Current Protection	Yes
Output Short Protection	Yes
Output Over Voltage Protection	Yes
Surge Protection	AC Type II / DC Type II
Battery Teminal Temp Protection	Yes

ENVIORNMENT LIMIT

Degree of Protection	IP65
Operating Temperature Range [°C]	-25 ~ +60 (derating above +45)
Relative Humidity [%]	0 ~ 100%
Max. Operation Altitude [m]	< 3000
Storage Temperature range [°C]	-25 ~ +70
Noise Emission(typical) [dB]	< 55

GENERAL

Dimensions(WxHxD) [mm]	520 x 705 x 258
Net Weight [kg]	44.6
Cooling Concept	FAN
Topology	Transformerless for PV Side / HF for Battery Side
HMI / Communication Interfaces	LED + LCD / CAN, RS485, WiFi / LAN / 4G(Optional) / NTC
Mounting	Wall Bracket

STANDARD

Safety	EN IEC 62109-1 /-2, EN IEC62040
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