Fronus SOLAR ENERGY | SOLAX POWER

Next Generation Inverter

X1 GENKI

IP65 - Single Phase **6kW**

IP65

PROTECTION

Protect Inverter From Water & Dust Particles



IP65 Protection
Protect Inverter From Water & Dust Particles

200% Overload Tolerance
Can Tolerate 200% Overload For 10 Sec

3.6ms Switch Over Time
Single unit UPS-level switchover time 3.6ms

Remote Access
Remote Access & Fault Diagnostics

SCAN QR CODE
For More Details

Fronus SOLAR ENERGY بھردے اجالا زندگی میں ®

SOLAX POWER

X1 GENKi

DATA SHEET

DC INPUT	X1-GENKi-6kW
Max. PV Array Input Power [Wp]	12000
Max. PV Input Power(PV1+PV2) [Wp]	9000
Max. PV Input Voltage [V]	550
Start Output Voltage [V]	110
Nominal Input Voltage [V]	360
MPPT Voltage Range [V]	80 ~ 520
No. of MPPT / Strings per MPPT	2 / 2
Max. Input Current [A]	16 / 16
Max. Short Circuit Current [A]	20
BATTERY DATA	
Battery Type	Lithium / Lead-Acid
Battery Voltage Range [V]	40 ~ 60
Nominal Battery Voltage [V]	48
Max. Charging / Discharging Current [A]	120
EPS OUTPUT (WITH BATTERY)	
Nominal Output Apparent Power [VA]	6000
Peak Apparent Power [VA , s] ③	12000 , 10
Nominal Output Current [A]	26.1
Nominal Voltage [V], Frequency [Hz]	230V, 50 / 60
Switch Time [ms]	< 3.6
SYSTEM DATA	
MPPT Efficiency [%]	> 99.9
Max. Efficiency [%]	97.6
Euro. Efficiency [%]	97.0
ENVIRONMENT LIMIT	
Degree of Protection	IP65
Operating Temperature Range [℃]	-25 ~ +60 (derating above +45)
Relative Humidity [%]	4 ~ 100%
Max. Operation Altitude [m]	< 3000
Storage Temperature range [℃]	-25 ~ +70
Noise Emission(typical) [dB]	< 45
GENERAL	
Dimensions(WxHxD) [mm]	397 x 480 x 201
Net Weight [kg]	17.3
Cooling Concept	Smart Cooling
Topology	Transformerless for PV Side / HF for Battery Side
HMI / Communication Interfaces	LED + LCD / CAN, RS485, CT, Meter, USB, NTC, WiFi+Lan
Warranty [years]	5
STANDARD	
Safety	EN IEC 62109-1 / -2