

Residential Storage Inverter Solution



Superior Efficiency



High Reliability



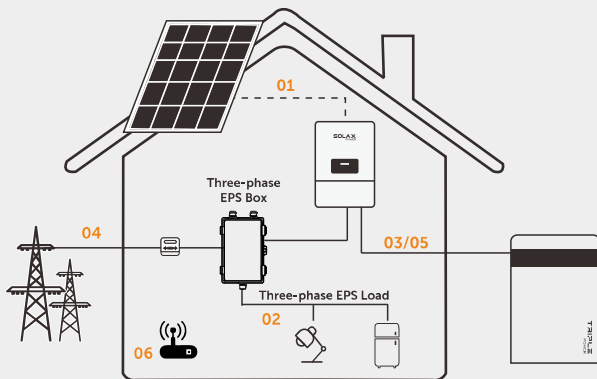
Intelligent Maintenance



Self-sufficiency



Flexible Battery Selection



- 01 GENERATE SOLAR
- 02 USE ENERGY DIRECTLY
- 03 STORE SURPLUS SOLAR
- 04 IMPORT & STORE FROM GRID OFF PEAK
- 05 USE STORED ENERGY
- 06 MONITOR THE SYSTEM

System Configuration

X3-Hybrid	5kW/6kW/8kW/10kW
Battery	NCM/LiFePO ₄
Wi-Fi	Pocket Wifi 2.0
X3 EPS Box	Three-phase EPS Box
X3 EPS Parallel Box	Optional
Meter	Three phase

Optional Battery



Lithium-NCM
4.5kWh/6.3kWh



LiFePO₄
5.8kWh

Professional system for storage and consumption of electricity from photovoltaics and batteries



/ INVERTER /

	X3-HYBRID-5.0T	X3-HYBRID-6.0T	X3-HYBRID-8.0T	X3-HYBRID-10.0T
INPUT (DC)				
Max.DC voltage [V]	1000	1000	1000	1000
Nominal DC operating voltage [V]	720	720	720	720
Max. input current (input A/input B) [A]	11/11	11/11	20/11	20/11
MPPT voltage range[V]	180-950	180-950	180-950	180-950
No. of MPP trackers	2	2	2	2
INPUT AC				
Max. apparent AC power[VA]	5000	6000	8000	10000
Nominal grid voltage(AC voltage range)[V]	400/230,380/220	400/230,380/220	400/230,380/220	400/230,380/220
Nominal grid Frequency/range[Hz]	50/60	50/60	50/60	50/60
OUTPUT AC				
Nominal AC power [VA]	5000	6000	8000	10000
Nominal grid voltage(AC voltage range) [V]	400/230,380/220			
Nominal grid frequency/range [Hz]	50/60			
Nominal AC current [A]	7.2	8.7	11.6	14.5
OUTPUT DC (BATTERY)				
Battery voltage range [V]	160-800			
Max.continuous charge/discharge current [A]	25			
Communication interfaces	CAN/RS485			
EPS OUTPUT (WITH BATTERY)				
EPS MAX. continuous apparent power [VA]	5000	6000	8000	10000
EPS rated voltage[V],Frequency [Hz]	400/230VAC;380/220VAC; 50/60			
EPS MAX.continuous current [A]	7.2	8.7	11.6	14.5
EPS peak apparent power [VA] Duration[s]	<10000 60	<12000 60	<14000 60	<15000 60
EFFICIENCY				
Max. efficiency [%]	97.8			
STANDARD				
Safety	IEC62109-1/-2			
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3			
Certification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G98 / AS4777 / EN50549 / CEI 0-21 / and so on			
ENVIRONMENT LIMIT				
Degree of protection(according to IEC60529)	IP65			
Operating temperature range [°C]	-20~+60 (derating at+45)			
Humidity [%]	0-100 (non-condensing)			
DIMENSION AND WEIGHT				
Dimensions(WxHxD) [mm]	457*654*228			
Weight[kg]	45			
Cooling concept	Natural			
Communication interfaces	Ethernet/Meter/Pocket WiFi(optional)/Pocket LAN(optional)/Pocket GPRS(optional)/DRM/USB/ISO alarm/CAN/BMS/NTC			
LCD display	Backlight 20*4 character			
Standard warranty [years]	5-10			

/ BATTERY /

	Triple Power Battery	Triple Power LFP 5.8kWh
Nominal Voltage [V]	100.8	115.2
Battery Type	Lithium(NCM)	Li-ion (LFP)
Nominal Capacity [kWh]	4.5/6.3	5.8
Usable Capacity [kWh]	4.05/5.67	5.2
Cycle Life [90% DOD]	6000	>6000 Cycles
Available Operating Temperature Range [°C]	0 to 45	0 to 55
Protection	IP55	IP55
System to Inverter	CAN2.0	CAN2.0
Battery to Battery/BMS	BRS485	BRS485
Safety	EMC, FCC, MSDS, IEC 62619, UL 1973, UL 1642	CE, RCM, TUV(IEC62619) UL1973,ROHS,REACH
Dimensions(LxWxH) [mm]	464*193*693 (Master Box) / 464*193*588 (BAT module)	474*193*708 (T-BAT H 5.8) / 474*193*647 (HV11550)
Weight [kg]	56.6 / 67.5	72.2 (T-BAT H 5.8) / 68.5 (HV11550)
Warranty [Year]	5-10 (optional)	10

Note: One X3 Hybrid inverter should be connected with 2-4 batteries.