NEW FROM SOLAX

X3-HYBRID G4

X3-Hybrid-D/M

5.0kW/6.0kW/8.0kW
10.0kW/12.0kW/15.0kW

Features

Support 150% oversized PV power
Excess energy to battery

Fast charging and high power discharge
Max 30A charging & discharge current

Remote units control & upgrading function
External control communication interface

Working under extremely cold condition
Working in full load under extreme cold temp -35°C/-31°F

On & Off grid parallel use
Inverter on&off gird parallel to support higher power loads

Unbalanced output supported
Prevent voltage imbalance when using high-power electrical appliances

info@solaxpower.com
service@solaxpower.com

smart Energy aulaWORLD

For More Informations Contact Us info@aulaworld.at AT: +43 677 61278395

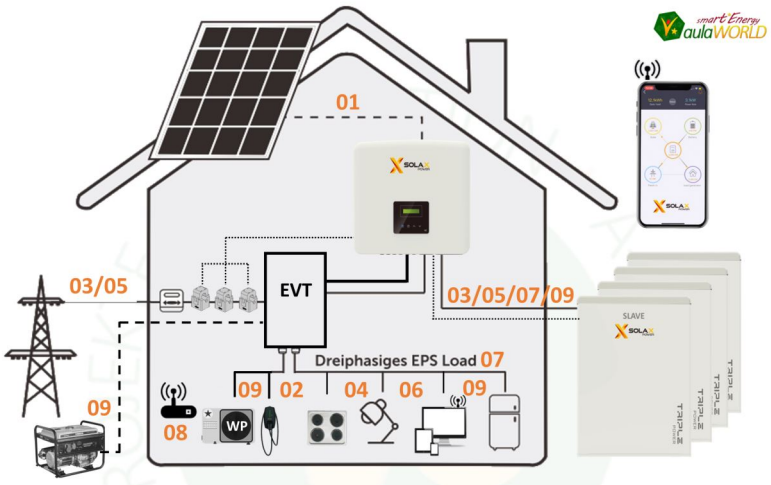
www.solaxpower.com
AU: +61 1300 476529
DE: +49 6142 4091664

Global: +86 571-56260008
UK: +44 2476 586998
NL:+31 (0) 852 737932

X3-HYBRID G4 (THREE PHASE)

	X3-Hybrid-5.0-D X3-Hybrid-5.0-M	X3-Hybrid-6.0-D X3-Hybrid-6.0-M	X3-Hybrid-8.0-D X3-Hybrid-8.0-M	X3-Hybrid-10.0-D X3-Hybrid-10.0-M	X3-Hybrid-12.0-D X3-Hybrid-12.0-M	X3-Hybrid-15.0-D X3-Hybrid-15.0-M
INPUT (DC)						
Max. recommended PV power[W]	8000	10000	12000	15000	18000	18000
Max. DC voltage [V]	1000					
Nominal DC operating voltage [V]	630					
Max. input current (input A/input B) [A]	14/14	14/14	26/14	26/14	26/14	26/14
Max. short circuit current (input A/input B) [A]	16/16	16/16	30/16	30/16	30/16	30/16
MPPT voltage range[V]	180-950					
Start operating voltage[V]	200					
No. of MPP trackers / Strings per MPP tracker	2(1/1)	2(1/1)	2(2/1)	2(2/1)	2(2/1)	2(2/1)
INPUT AC						
Max. apparent AC power[VA]	10000	12000	16000	20000	20000	20000
Max. AC current[A]	16.1	19.3	25.8	32.0	32.0	32.0
Nominal grid voltage(AC voltage range)[V]	415/240; 400/230; 380/220					
Nominal grid Frequency/range[Hz]	50/60					
OUTPUT AC						
Nominal AC power [VA]	5000	6000	8000	10000	12000	15000
Max. apparent AC power [VA]	5500	6600	8800	11000	13200	15000
Nominal grid voltage(AC voltage range) [V]	415/240; 400/230; 380/220					
Nominal grid frequency/range [Hz]	50/60					
Nominal AC current [A]	7.2	8.7	11.6	14.5	17.5	21.8
Max. AC current [A]	8.1	9.7	12.9	16.1	19.3	24.1
Displacement power factor	0.8 leading ... 0.8 lagging					
THDi, rated power [%]	<3					
OUTPUT DC (BATTERY)						
Battery type	Lead-acid/Lithium					
Battery voltage range [V]	180-650					
Recommended battery voltage[V]	400					
Max. continuous charge/discharge current [A]	30					
Communication interfaces	CAN/RS485					
Reverse connect protection	Yes					
OFF-GRID OUTPUT (WITH BATTERY)						
MAX. continuous apparent power [VA]	5000	6000	8000	10000	12000	15000
Rated voltage[V],Frequency [Hz]	400/230VAC; 50/60					
MAX. continuous current [A]	7.2	8.7	11.6	14.5	17.5	21.8
Peak apparent power [VA] Duration[s]	7500 60	9000 60	12000 60	15000 60	15000 60	15000 60
Changeover time [ms]	<10					
THDv, linear Load [%]	<3					
EFFICIENCY						
MPPT efficiency [%]	99.9					
Euro efficiency [%]	97.7					
Max. efficiency [%]	98.0					
Battery charge/discharge efficiency [%]	98.5/97.0					
POWER CONSUMPTION						
Standby consumption (Night) [W]	<20W for hot standby,<3W for cold standby					
STANDARD						
Safety	IEC62109-1/IEC62109-2					
EMC	EN61000-6-1/EN61000-6-2/EN61000-6-3					
Certification	VDE 0126-1-1 A1:2012 / VDE-AR-N 4105 / G98 / G99 / AS4777 / EN 50549 / CEI 0-21					
ENVIRONMENT LIMIT						
Degree of protection(according to IEC60529)	IP65					
Operating temperature range [°C]	-35~+60 (derating at +45, charge derating at +35)					
Max. operation altitude [m]	⩽3000					
Humidity [%]	0-100 (condersing)					
Storage temperature [°C]	-35~+60					
Typical noise emission [dB]	40	40	40	40	60	60
DIMENSION AND WEIGHT						
Dimensions(WxHxD) [mm]	482*417*181					
Weight[kg]	30					
Cooling concept	Natural	Natural	Natural	Natural	Fan	Fan
Topology	Non-isolated					
Communication interfaces	Meter/ CT, external control RS485, Pocket series (optional), DRM,USB					
LCD display	Backlight 20*4 character					
Standard warranty [years]	10					

Hohe Effizienz | Hohe Zuverlässigkeit | Intelligente Überwachung | Eigenverbrauch erhöhen | Flexible Batterieoptionen



1. Solar Energie am Tag erzeugen und nutzen
2. Energie direkt verwenden
3. Überflüssige Energie speichern oder einspeisen
4. Den gespeicherten Strom in der Nacht verbrauchen
5. Strom außerhalb der Spitzenzeiten importieren, speichern
6. Den gespeicherten Strom in Spitzenzeiten verwenden
7. Den gespeicherter Strom für Not-Versorgung halten
8. Das Hauskraftwerk vom Handy aus überwachen und steuern
9. Bei Notstrom Ideal für Großverbraucher und Objekte ohne Stromanschluss (Almhütten) für 100 % ige autarke Energieversorgung

System Konfiguration

X3-Hybrid	5kW/6kW/8kW/10kW/12kW/15kW
Batterie	$LiFePO_4$
Wi-Fi	Pocket Wifi 2.0
X3 EPS Load / EPS BOX	Dreiphasiger Notstrom
X3 EPS Parallel Box	Optional
Smart Meter	Dreiphasig

Optionale Batterie

SOLAX $LiFePo_4$ Akku 11,5 bis 23 kWh

Quelle¦ Text: VEREIN aulaWORLD Fotos: www.aulaworld.at / Solax Power

info@aulaworld.at

T-BAT SYS-HV Configuration List

	T-BAT H 5.8	T-BAT H 11.5	T-BAT H 17.3	T-BAT H 23
Nominal Voltage [V]	115.2	230.4	345.6	460.8
Operating Voltage [V]	100-131	200-262	300-393	400-524
Battery Type	Li-ion (LFP)	Li-ion (LFP)	Li-ion (LFP)	Li-ion (LFP)
Total Capacity [kWh]	5.8	11.5	17.3	23.0
Usable Capacity[1] [kWh]	5.2	10.4	15.6	20.7
Faradic Charge Efficiency [%]	99	99	99	99
Battery Roundtrip Efficiency [%]	95	95	95	95
Standard Power [kW]	2.9	5.8	8.7	11.6
Max Power [kW]	4.0	8.0	12.0	16.0
Recommend Charge/Discharge Current [A]	25	25	25	25
Max Charge/Discharge Current [A]	35	35	35	35
Short circuit current [A]	760	760	760	760
Cycle Life	>6000 Cycles	>6000 Cycles	>6000 Cycles	>6000 Cycles
Warranty [Year]	10	10	10	10
Available Operating Temperature Range [℃]	0 to 55			
Full-load Operating Temperature Range [℃]	5 to 48			
Humidity [%]	4 to 100 (condensing)			
Altitude [m]	Below 2000			
Protection	IP55			
System to Inverter	CAN2.0			
Battery to Battery/BMS	RS485			
Data Collection Port /FW UPDATE	CAN2.0			
Master Control Working Mode Indicator	1 LED			
Master Control Capacity Indicator	4LED (25%, 50%, 75%, 100%)			
Battery Module LED	2 LED			
Reset	Button			
Switch ON/OFF	Button*1 + breaker*1			
Safety	CE, RCM, TUV(IEC62619) UL1973,ROHS,REACH			
UN Number	UN3840			
Hazardous Materials Classification	Class 9			
Transport Testing Requirement	UN38.3			
Dimensions(LxWxH) [mm]	474*193*708	474*193*708+474*193*647	474*193*708+(474*193*647)*2	474*193*708+(474*193*647)*3
Weight [kg]	72.2	72.2+68.5	72.2+68.5*2	72.2+68.5*3

[1] Test conditions:100% DOD, 0.5C charger & discharger @+25ºC

** The Triple Power battery could be scalable up to 4 modules, for a total of 23.0kWh.*
** Indoor installation only*
** System Usable Energy may be variant with different inverter models*

info@aulaworld.at www.aulaworld.at