

X3-FIT G4

THREE-PHASE
AC COUPLED HYBRID INVERTER
6.0~15kW



Features

High-efficient

- Up to 110% AC overload output
- Higher efficiency on charging and discharging, up to 98.5%

Economic

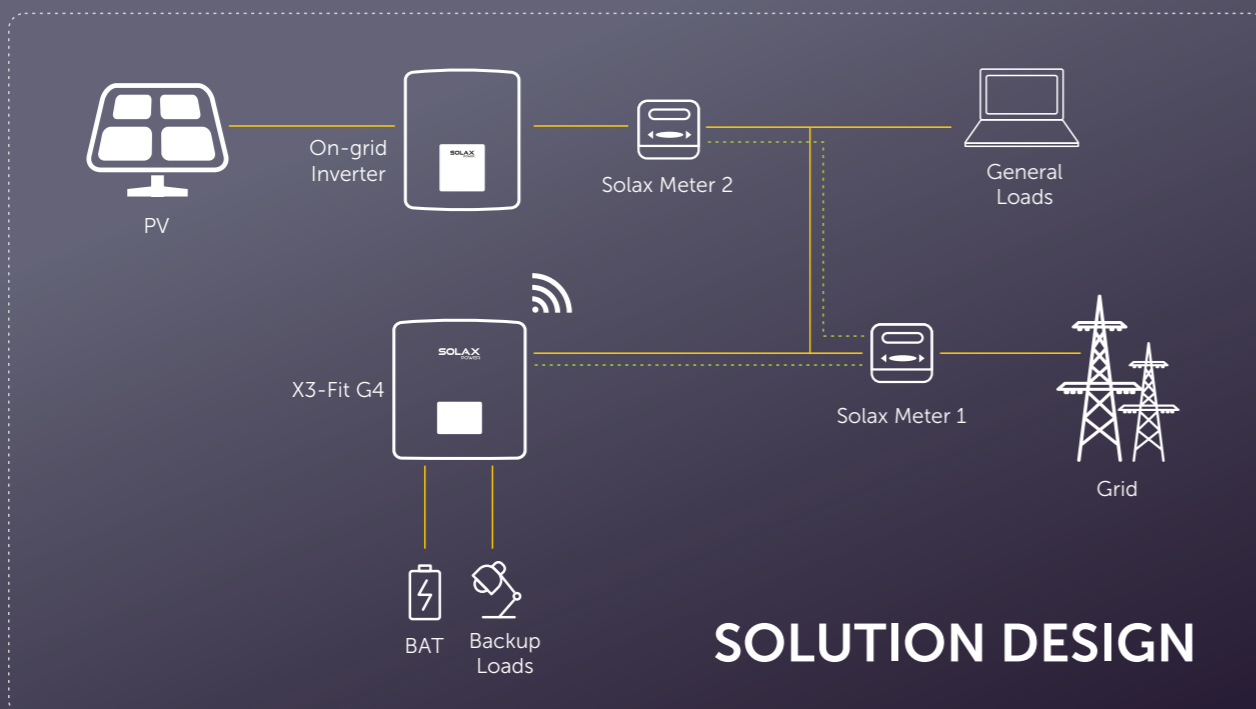
- Store the surplus energy to battery
- Less energy loss on battery to inverter

Safe

- IP65 protection level
- Integrated SPD

Intelligent

- Up to 150% EPS output for 60s
- Switchover time <10ms
- Quick configuration with U-disk
- Lithium-ion & Lead-acid battery compatible
- Intelligent loads management (e.g., Heat pump)
- On & Off-grid parallel function, up to 150kW
- 5 work modes, 2 charging periods available
- VPP ready, ancillary service in power market
- Three-phase unbalanced output Maximum 5kW output power on single phase at most



X3-FIT G4

THREE-PHASE

X3-FIT-6.0-W

X3-FIT-8.0-W

X3-FIT-10.0-W

X3-FIT-15.0-W

AC INPUT & OUTPUT

Nominal AC output power [W]	6000	8000	10000	15000
Max. AC output apparent power [VA]	6600	8800	11000	15000
Max. AC output current [A]	9.7	12.9	16.1	24.1
Max. AC input apparent power [VA]	12000	16000	20000	20000
Max. AC input current [A]	19.3	25.8	32	32
Nominal AC voltage [V]	380 / 220; 400 / 230; 415 / 240			
Nominal grid frequency [Hz]	50 / 60			
Displacement power factor	0.8 leading ~ 0.8 lagging			
THDi (rated power) [%]	<3			

BATTERY DATA

Battery type	Lithium-ion battery / Lead-acid Battery			
Battery voltage range [V]	180 ~ 800			
Max. continuous charge/discharge current [A]	30			

EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)

Nominal output power [W]	6000	8000	10000	15000
Peak apparent power [VA,s]	9000,60	12000,60	15000,60	16500,60
Max.continuous current [A]	8.7	11.6	14.5	21.8
Nominal voltage [V]; Frequency [Hz]	400 / 230; 50 / 60			
Switch time [ms]	<10			
Parallel operation	YES			

SYSTEM DATA

Max. efficiency [%]	98.0			
Euro. efficiency [%]	97.7			
Battery charge/discharge efficiency [%]	98.5 / 97.5			
Degree of protection	IP65			
Operating temperature range [°C]	-35 ~ +60 (Derating above +45)			
Max. operation altitude [m]	<3000			
Relative humidity [%]	0 ~ 100			
Typical noise emission [dB]	<35	<35	<45	<45
Storage temperature [°C]	-40 ~ +70			
Dimensions (WxHxD) [mm]	503x503x199			
Net weight [kg]	30			
Cooling concept	Natural cooling	Natural cooling	Nature cooling	Smart cooling
Communication interfaces	Meter (optional), External control RS485, Pocket WiFi (Optional: Pocket Lan/4G), DRM, USB Upgrade, NTC (optional)			

POWER CONSUMPTION

Internal consumption (night) [W]	<40W for standby, <5W for idle			
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STANDARD

Safety	EN / IEC62109-1/-2			
EMC	EN61000-6-1/2/3/4;EN61000-3-2/3/11/12			
Certification	VDE4105, G99, G98, AS4777, EN50549, CEI 0-21, IEC61727, PEA / MEA, NRS-097-2-1, RD1699, TOR			

*V2.5. Information may be subject to modify without notice.650.00019.00