

# X1-FIT G4

SINGLE-PHASE  
AC COUPLED HYBRID INVERTER  
3.0~7.5kW



## Features

### High-efficient

- Up to 110% AC overload output
- Higher efficiency on charging and discharging, up to 97.0%

### Economic

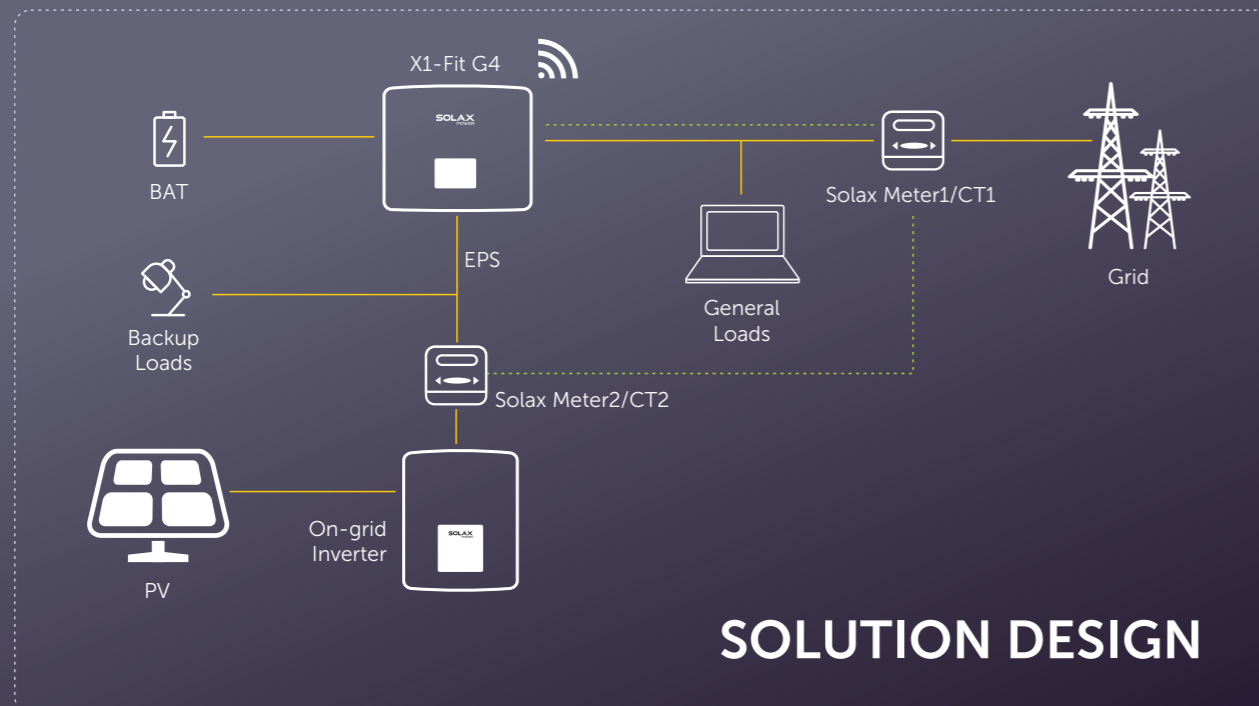
- Store the surplus energy to battery
- Less energy loss on battery to inverter

### Safe

- IP65 protection level
- Integrated SPD

### Intelligent

- Up to 120% EPS output for 1h
- Switchover time <10ms
- Quick configuration with U-disk
- Lithium-ion & Lead-acid battery compatible
- CT compatible, loads respond within 0.3s
- 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



## SOLUTION DESIGN

# X1-FIT G4

## SINGLE-PHASE

	X1-FIT-3.7-W	X1-FIT-4.6-W	X1-FIT-5.0-W	X1-FIT-6.0-W	X1-FIT-7.5-W
<b>AC INPUT &amp; OUTPUT</b>					
Nominal AC output power [W]	3680	4600	5000 <small>(Germany 4600, AU 4999)</small>	6000	7500
Max. AC output apparent power [VA]	3680	4999 <small>(Germany 4600)</small>	5500 [4600 for VDE4105, 4999 for AS4777]	6600	7500
Max. AC output current [A]	16	21.7 <small>(Germany 20)</small>	23.9 <small>(Germany 20, AU 21.7)</small>	28.6	32.6
Max. AC input apparent power [VA]	7360	9200	9200	9200	9200
Max. AC input current [A]	32	40	40	40	40
Nominal AC voltage	220 / 230 / 240				
Nominal grid frequency [Hz]	50 / 60				
Displacement power factor	0.8 leading ~ 0.8 lagging				
THDi, rated power [%]	<2				
<b>BATTERY DATA</b>					
Battery Type	Lithium-ion battery / Lead-acid battery				
Battery voltage range [V]	80 ~ 480				
Max. continuous charge / discharge current [A]	30				
<b>EPS(OFF-GRID OR BACK-UP) OUTPUT (WITH BATTERY)</b>					
Nominal output power [W]	3680	4600	5000	6000	7500
Peak apparent power [VA, min]	4416, 60	5520, 60	6000, 60	7200, 10	7500
Max. continuous current [A]	16	21.7	21.7	26.1	32.6
Nominal Voltage [V]; Frequency [Hz]	230; 50 / 60				
Switch time [ms]	<10				
Parallel Operation	YES				
<b>SYSTEM DATA</b>					
Battery charge / discharge efficiency [%]	97.0 / 97.0				
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]	<30				
Storage temperature [°C]	-40 ~ +65				
Dimensions [WxHxD] [mm]	482x417x181				
Net Weight [kg]	23				
Cooling concept	Natural cooling				Smart cooling
Communication interfaces	CT/Meter (optional), External control RS485, Pocket series (optional), DRM, USB Upgrade				
<b>POWER CONSUMPTION</b>					
Internal consumption (night) [W]	<17W for standby, <2.7W for idle				
<b>STANDARD</b>					
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, C10/11				

\*V2.5. Information may be subject to modify without notice.650.00018.00