

iGarden Sunshine Life



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INVERX
Solar Energy Storage System



Super Off-grid Load Carrying

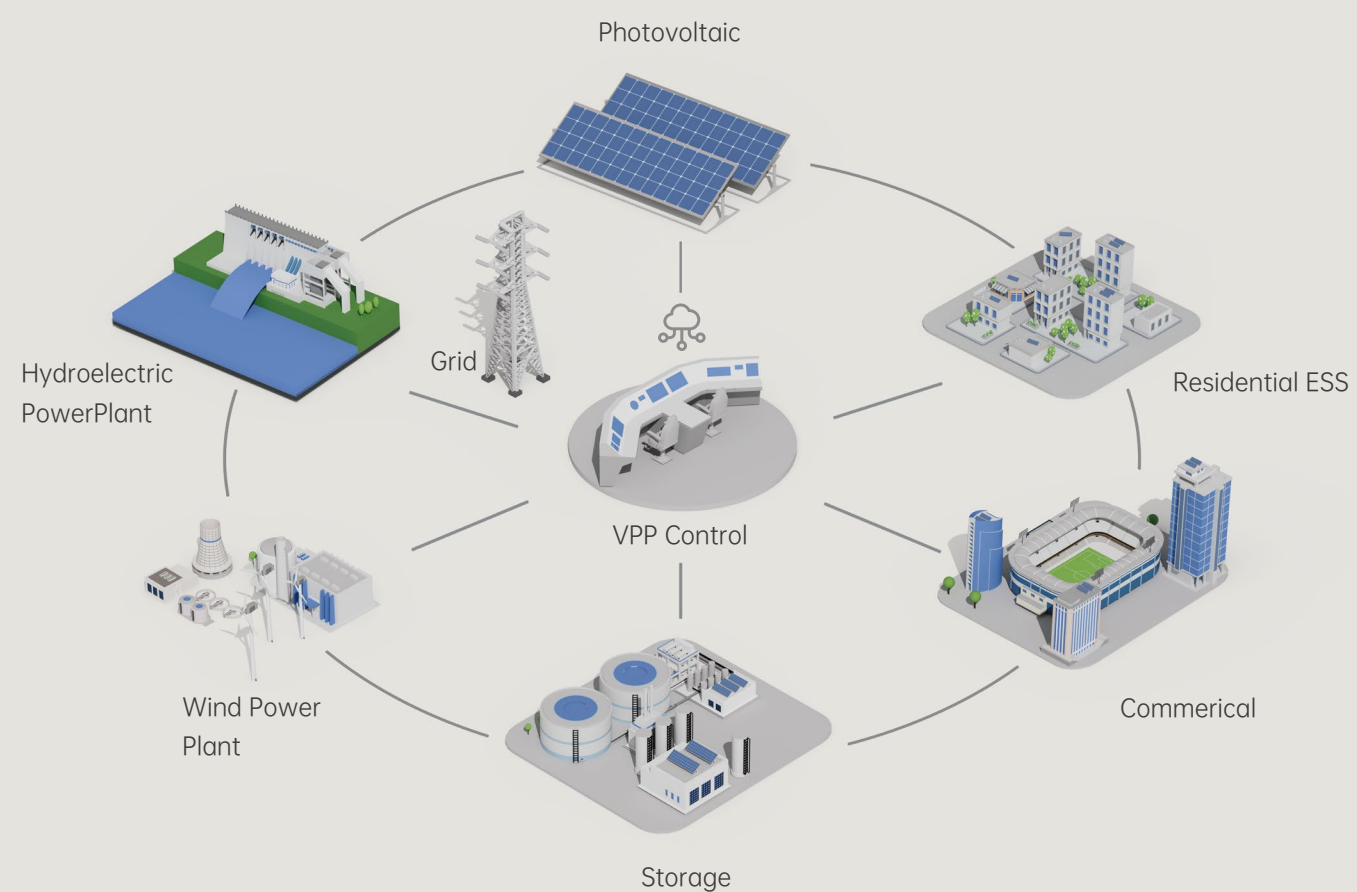
<10ms UPS level switch

providing emergency power when mains failure



Various Operation Function

4 friendly functions: Self-generated, Zero power feeder, VPP, Battery-free & Gridless



Real-time status display

Easy Wi-Fi configuration via APP

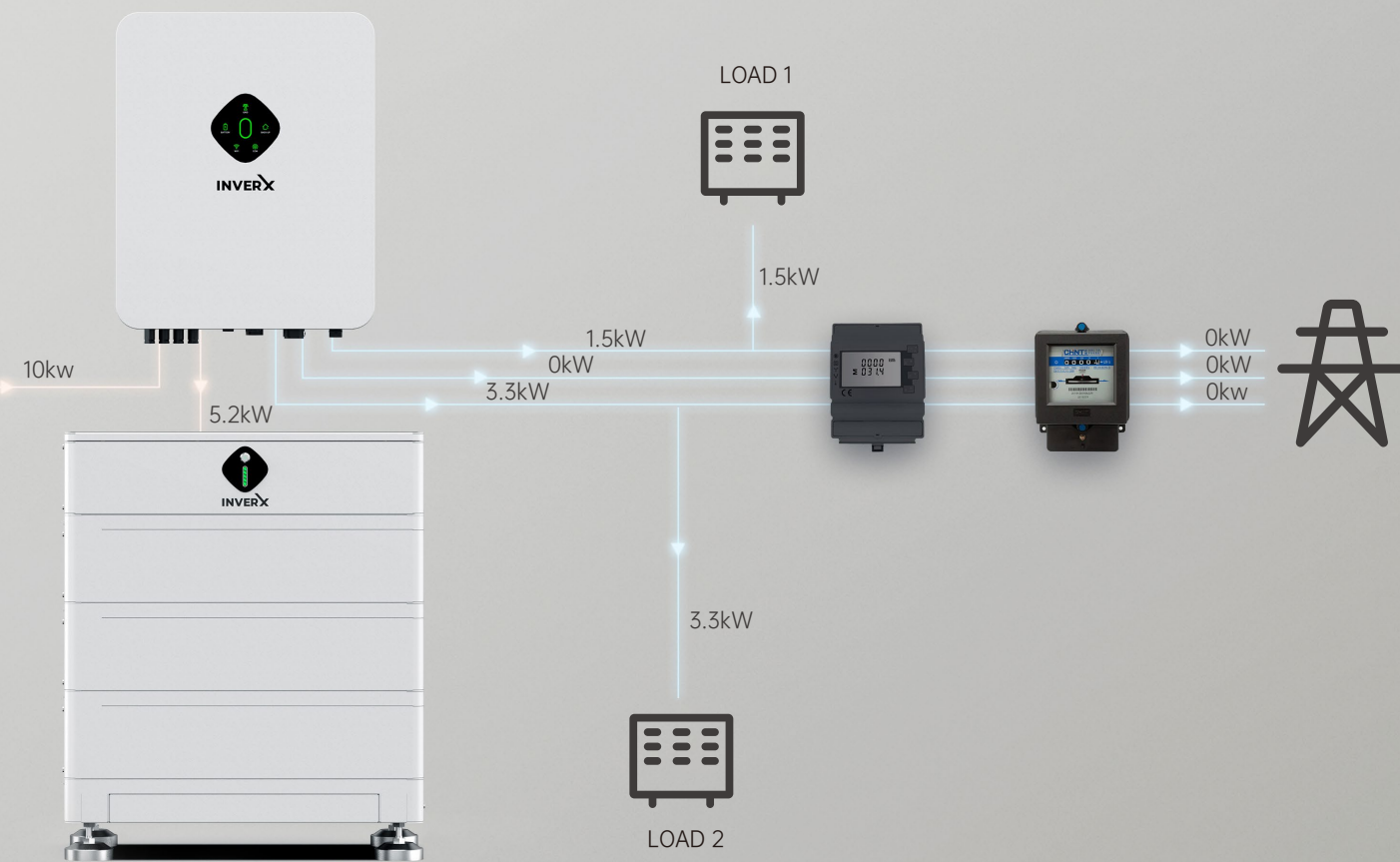


Support 7*24H monitoring

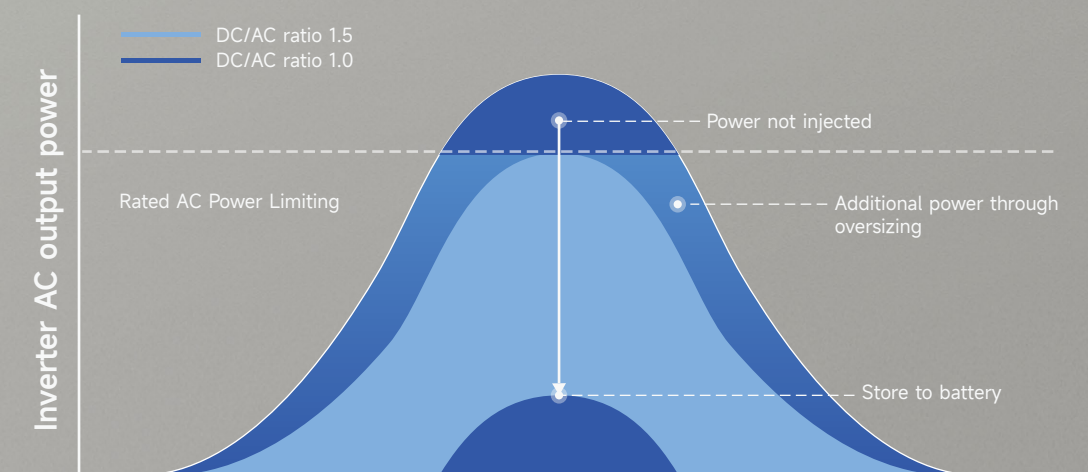
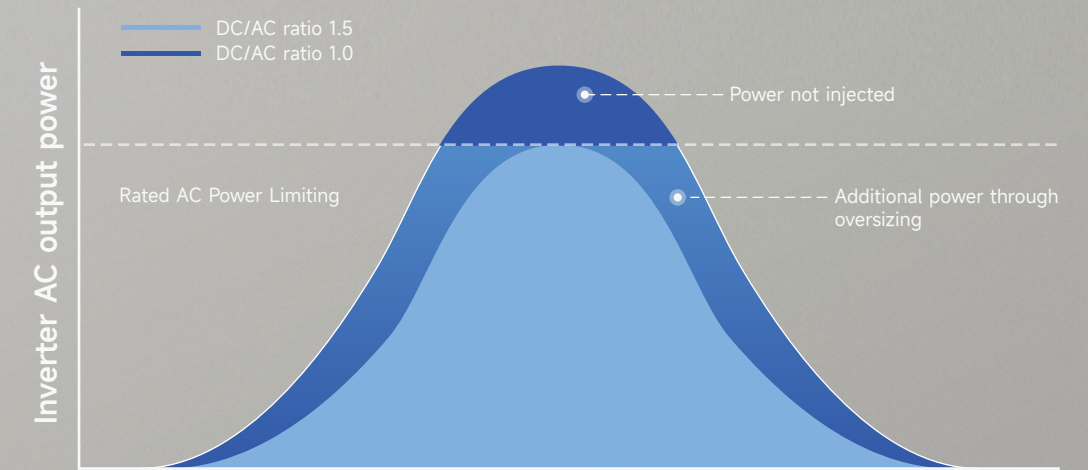
Remote diagnostic and system upgrade



100% Unbalanced Load



150% DC Input Oversizing



INVERX

Single Phase

Hybrid Inverter



Excellent Performance

- Max.97.5% efficiency;
- 50V extra-low start-up voltage;
- Max.6.6kW charge/discharge power;



User-friendly Operation

- Build-in smart functions: Self-generated, Zero power feeder, VPP, Battery-free & Gridless;
- Fanless design, low noise, maintenance free;
- Plug-in terminals

Elite Series Technical data

Hybrid Inverter (single phase)	XLIS3	XLIS3.6	XLIS4	XLIS5	XLIS6
PV Input					
Recommend max. PV input power (Wp)	10000	10700	11000	12000	13000
Max. PV input voltage (V)	600				
Min. operating PV voltage (V)	40				
Start-up input voltage (V)	50				
Rated PV input voltage (V)	360				
No. of independent MPPT inputs	2				
Default No. of PV strings per MPPT	1				
Max. PV input current (A)	16				
Max. input short-circuit current	20				
Battery Data					
Battery type	Li-ion battery (LFP)				
Battery voltage range (V)	80~460				
Max. charging/discharging current (A)	30/30				
Max. charging/discharging power (W)	6600/6600				
AC Input/Output (on-grid)					
Max. AC input power from grid (VA)	10000	10700	11000	12000	13000
Rated AC output power (W)	3000	3680	4000	5000	6000
Max. AC output power (VA)	3000	3680	4000	5000	6000
Rated AC output current (@230V) (A)	13.1	16.0	17.4	21.8	26.1
Max. AC output current (A)	13.7	16.0	18.2	22.8	27.3
Rated AC voltage (V)	L/N/PE 220/230/240				
AC voltage range (V)	154~276				
Rated grid frequency (Hz)	50/60				
Grid frequency range (Hz)	45~55/55~65				
Harmonic (THD)	<3%				
Power factor at rated power	>0.99				
Adjustable power factor	Adj. 0.8 overexcited/leading to 0.8 underexcited/lagging				
Backup Data (on-grid)					
Rated output power for backup load (W)	6000				
Rated output current for backup load (A)	27				
AC Output (off-grid)					
Rated voltage (V)	220/230/240 (±2%)				
Frequency range (Hz)	50/60 (±0.5%)				
Total output THDV for liner load	≤2%				
Switch time to emergency mode (ms)	≤10				
Rated output power (W/VA)	3000/3000	3680/3680	4000/4000	5000/5000	6000/6000
Peak output power (VA, s)	8400, 10				
Efficiency					
Max. efficiency	97.30%	97.50%	97.30%	97.30%	97.30%
European efficiency	97.00%	97.00%	97.00%	97.00%	97.00%
Protection & Function					
Grid monitoring	Yes	DC reverse polarity protection		Yes	
AC short circuit protection	Yes	Leakage current protection		Yes	
Surge protection	DC type II/AC type II		DC switch (PV)		Yes
DC fuse (battery)	Yes	Battery input reverse polarity protection		Yes	
General Data					
Dimensions (W*H*D)	500*350*180mm		Weight		≤20kg
Mounting method	Wall-mounting bracket		Topology (Solar/Battery)		Transformerless/Transformerless
Degree of protection	IP65		Operating ambient temperature range		-25~60℃
Allowable relative humidity range	0~100%		Cooling method		Natural convection
Max.operating altitude	4000m		Display		LED indicator
Communication	RS485/CAN/WLAN		DI/DO		DIx1/DOx1/DRM
DC connection type	MC4		Battery connection type		MC4
AC connection type	Screws & Fasteners				

INVERX

Three Phase

Hybrid Inverter



Excellent Performance

- Max.98.4% efficiency;
- 150% DC input oversizing;
- Max.10.6kW charge/discharge power;



User-friendly Operation

- Build-in smart functions: Self-generated, Zero power feeder, VPP, Battery-free & Gridless;
- Fanless design, low noise, maintenance free;
- Plug-in terminals

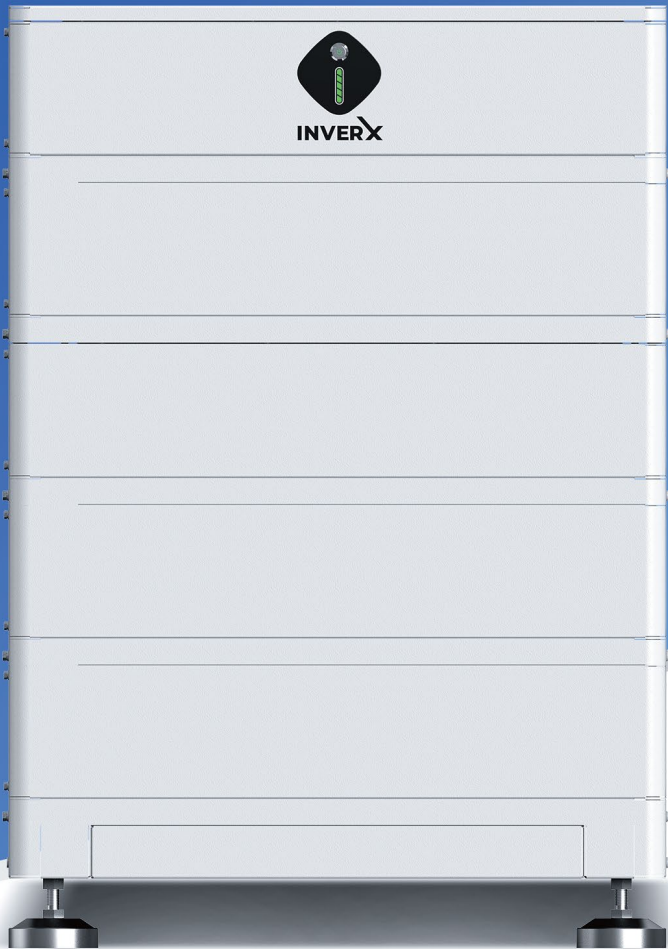
Elite Series Technical data

Hybrid Inverter (three phase)	XLIT5	XLIT6	XLIT8	XLIT10
PV Input				
Recommend max. PV input power (Wp)	7500	9000	12000	15000
Max. PV input voltage (V)	1000			
Start-up input voltage (V)	180	250	250	250
Rated PV input voltage (V)	600			
MPPT voltage range (V)	150~950	200~950	200~950	200~950
No. of Independent MPPT inputs	2			
Default No. of PV strings per MPPT	1/1	1/1	1/1	1/2
Max. PV input current (A)	32 (16/16)	32 (16/16)	32 (16/16)	48 (16/32)
Max. input short-circuit current	40 (20/20)	40 (20/20)	40 (20/20)	60 (20/40)
Battery Data				
Battery type	Li-ion battery (LFP)			
Battery voltage range (V)	150~600			
Max. charging/discharging current (A)	30/30			
Max. charging/discharging power (W)	7500/6000	9000/7200	10600/10600	10600/10600
AC Input/Output (on-grid)				
Max. AC input power from grid (VA)	12500	15000	18600	20600
Rated AC output power (W)	5000	6000	8000	10000
Max. AC output power (VA)	5500	6600	8800	11000
Rated AC output current (A)	7.6	9.1	12.1	15.2
Max. AC output current (A)	8.4	10.0	13.3	16.7
Rated AC voltage (V)	3L/N/PE 220/380 230/400 240/415			
AC voltage range (V)	270~480			
Rated grid frequency (Hz)	50/60			
Grid frequency range (Hz)	45~55/55~65			
Harmonic (THD) at rated burden	<3%			
Power factor at rated power	>0.99			
Adjustable power factor	Adj. 0.8 overexcited/leading to 0.8 underexcited/lagging			
AC Output (off-grid)				
Rated voltage (V)	220/230/240 (±2%)			
Frequency range (Hz)	50/60 (±0.5%)			
Total output THDV for liner load	≤2%			
Switch time to emergency mode (ms)	≤10			
Rated output power (W/VA)	5000/5000	6000/6000	8000/8000	10000/10000
Peak output power	6000VA, 5min/10000VA,10s	7200VA, 5min/10000VA, 10s	9600VA, 5min	12000VA, 5min
Efficiency				
Max. efficiency	98.00%	98.20%	98.40%	98.40%
European efficiency	97.20%	97.50%	97.90%	97.90%
Protection & Function				
LVRT	Yes	Grid monitoring	Yes	
DC reverse polarity protection	Yes	AC short circuit protection	Yes	
Leakage current protection	Yes	Surge protection	DC type II/AC type II	
DC switch (PV)	Yes	DC fuse (battery)	Yes	
Battery input reverse polarity protection	Yes			
General Data				
Dimensions (W*H*D)	450*550*185mm		Weight	31kg
Mounting method	Wall-mounting bracket		Topology (Solar/Battery)	Transformerless/Transformerless
Degree of protection	IP65		Operating ambient temp. range	-25~60℃, No derating below 45℃
Allowable relative humidity range	0~100%		Cooling method	Natural convection
Max. operating altitude	4000m		Display	LED indicator
Communication	RS485/CAN/WLAN		DI/DO	DIx1/DOx1/DRM
DC connection type	MC4		Battery connection type	MC4
AC connection type	Plug and play connector			



High Voltage Battery System

High Voltage



Modular Design For Easy Installation

- Plug and play, no wiring harness required;
- Light in weight (35kg), easy to carry;
- IP65 rating for outdoor installation



High Safety & Long Life

- 6000 times cycle life;
- Unit-level fault detection and isolation (FDI);
- Double insulated protection;
- 1000-hour salt spray test



Intelligence & Flexibility

- Remote software upgrade;
- Real-time data monitoring;
- Support 3-8 modules per unit, 9.6~25.6kWh capacity range

Elite Series Technical data

Battery System (high voltage)	HVB9.6	HVB12.8	HVB16.0	HVB19.2	HVB22.4	HVB25.6
Battery Specification						
Nominal energy (kWh)	9.60	12.80	16.00	19.20	22.40	25.60
Usable energy (kWh) ¹	8.64	11.52	14.40	17.28	20.16	23.04
Module parameter	64V 50Ah 615*360*165mm 35kg					
Cell type	LFP (LiFePO4)					
Max. module configuration	3	4	5	6	7	8
Nominal voltage (V)	192	256	320	384	448	512
Operating voltage range (V)	171~216	228~288	285~360	342~432	399~504	456~576
Max. continuous current (A) ²	30					
Max. continuous power (kW) ²	5.76	7.68	9.60	11.52	13.44	15.36
Communication	CAN/RS485					
Weight (kg)	120	155	190	225	260	295
Dimensions (W*D*H) (mm)	615*360*730	615*360*880	615*360*1030	615*360*1180	615*360*1330	615*360*1480
Operating temperature (°C)	Charge: 0~50/Discharge: -20~50					
Storage temperature (°C)	-20~45 (≤1 month)/-20~25 (≤6 months)					
Humidity	5-95%					
Altitude (m)	≤2000					
Enclosure type	IP65 (indoor/outdoor)					
Cooling	Natural convection					
Installation location	Floor-standing					
Display	SOC indicator, status indicator					

1. Test conditions: 3.0~3.5V, 0.2C charger (CC-CV) and Discharger at 25±3°C;
2. Max. continuous current/power derating will occur related to temperature/SOC/Humidity;