

Single Phase

Solar Energy Storage System

Elite series

XLiS 3 / 3.6 / 4 / 5 / 6-HVB



10ms UPS Level Switch



Super Off-grid Load Carrying



Up to 330% DC Input Oversizing



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)	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°C
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				