

INVERX

# Three Phase Solar Energy Storage System

## Elite series

XLiT 5 / 6 / 8 / 10-HVB



10ms UPS Level Switch



Super Off-grid Load Carrying



3 Phase Asymmetric Output  
Under 100% Unbalance Load



### 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
<b>PV Input</b>				
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)
<b>Battery Data</b>				
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
<b>AC Input/Output (on-grid)</b>				
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)	3/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			
<b>AC Output (off-grid)</b>				
Rated voltage (V)	220/230/240 (±2%)			
Frequency range (Hz)	50/60 (±0.5%)			
Total output THDV for linear 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
<b>Efficiency</b>				
Max. efficiency	98.00%	98.20%	98.40%	98.40%
European efficiency	97.20%	97.50%	97.90%	97.90%
<b>Protection &amp; Function</b>				
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			
<b>General Data</b>				
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°C, No derating below 45°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	Plug and play connector			