



eLite Plus Series on&off Grid Solar Inverter



PRODUCT DESCRIPTION

This hybrid inverter series support photovoltaic power conversion and energy storage simultaneously. It benefits us from getting rid of high electricity fee and unstable grid power supply, and getting income from selling power to the grid. It could remotely achieve energy management and system upgraded through data communication (WiFi/GPRS/Bluetooth), cloud platform and mobile APP. It is applicable for residential energy management in different scenarios such as house, cottage, villa, apartment, etc.

PRODUCT HIGHLIGHTS

- Six working modes applicable to various scenarios.
- Support multiple parallel units, scalable to 48KW maximumly.
- Support three-phase output with 3 units.
- Equipped with UPS function for seamless switching within 10ms.
- High level protection with IP66.
- AI cloud platform efficiently enable device management and monitoring.
- Remote upgrade and fault diagnosis hence free from on-site service.
- CE / grid connection, etc. can comply with certification requirement of Europe.

SPECIFICATION

Models		EHS-3000-BL	EHS-30006-BL	EHS-4000-BL	EHS-40006-BL	EHS-5000-BL	EHS-6000-BL
DC input (from PV)	Maximum input power	8000W	8000W	9000W	9000W	9000W	9000W
	Maximum input voltage	580V					
	MPPT voltage range	90-550V					
	Maximum current	16A					
	Short-circuit current	20A					
	Starting voltage	120V					
	Quantity of MPPT	2					
Battery Parameter	Battery type	Lead acid, lithium battery					
	Rated voltage	51.2V					
	Input voltage	40-60V					
	Rated charging/discharging power	5000W					
	Max. charging/discharging current	100A					
	Galvanic isolation	High-frequency isolation					
	Battery charging wake-up	Support					
On grid	Battery communication wake-up	Support					
	Charging method	constant current, constant voltage, floating					
	Rated output power	3000W	3680W	4000W	4600W	5000W	6000W
	Output voltage range	180~270VAC					
	Output frequency	50/60HZ					
	Rated output current	13A	16A	17.4A	20A	21.7A	26A
	Adjustable power factor	1 (0.8 leading... 0.8 lagging)					
	Grid type	L, N, 230V					
	Current distortion rate	<3%					
	Maximum input power	8000W	8680W	9000W	9600W	10000W	11000W
Off grid	Maximum input Current	34.8A	37.7A	39.1A	41.7A	43.5A	47.8A
	Rated output power	3000W	3680W	4000W	4600W	5000W	5000W
	Rated output voltage	230V					
	Output current	13.6A	16.7A	18.2A	20.9A	22.7A	22.7A
	Output frequency	50Hz/60Hz					
	Output voltage range	180~270VAC					
Efficiency	Voltage distortion rate	<3%					
	Maximum efficiency	97.60%					
	European efficiency	97.30%					
	Max. efficiency on battery side and AC side	94.7%					
General specification	MPPT efficiency	99.9%					
	Standby power	<10W					
	Dimension (width*height*depth)	510mm*450mm*188mm					
	Weight	<27Kg					
	Installation type	Wall mounting					
	Operating temperature range	-25℃~60℃					
	Relative humidity range	0~95% RH					
	Maximum operating altitude	4000meter					
	Noise	<25dB					
	Cooling	Natural convection					
	IP rating	IP66					
	Communication interface	Battery RS485, CAN, electricity meter SR845, WIFI, GPRS, Bluetooth					
	Display	LCD					
	Max. parallel connection	8 units					
Certificates	Isolation method	High-frequency isolation					
	Warranty period	5 years / 10 years (optional)					
Certificates		IEC 62109-1:2010, IEC 62109-2:2011, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, CEI0-21:2022, G98/1-7, G99 1-9:2022, type A, G100:1-2, VDE-AR-N 4105					

Remark: The accurate data may be adjusted according to the entity.