

Energy Storage



Hybrid Inverter

30KW/50KW/100KW
150KW/250KW/500KW

EU Standard

Application Scenario



Mine off grid



Island off grid



Villages without electricity



Farm off grid



Flexible

Various working modes can be set flexibly
Flexible Battery Type (Li-ion, lead-acid).
PV controller can be expanded to facilitate flexible configuration of photovoltaic capacity.



Convenient

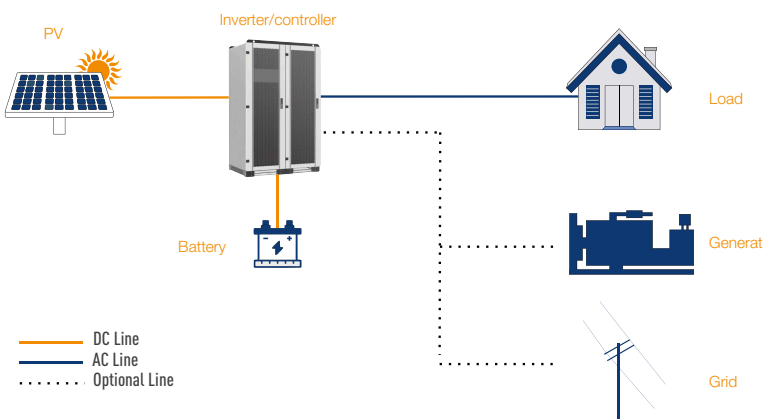
Integrated design to support loads, batteries, power grids, diesel generators and PV be connected.
Integrated EMS function, power supply security and stability, maximum utilization of new energy.



Reliable

Prediction intelligent battery management and discharge time.
CAN and RS485 communication interface, modbus protocol.
Seamless transfer between on and off grid.
Strong load adaptability.
Perfect protection function to protect inverters and batteries.

Product Topology



TECHNICAL PARAMETERS

Model	S30	S50	S100	S150	S250	S500	
AC (grid-connected)	Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
	Rated power	30kW	50kW	100kW	150kW	250kW	500kW
	Rated voltage	400V					
	Rated current	43A	72A	144A	217A	361A	722A
	Voltage range	320V-460V					
	Rated frequency	50/60Hz					
	Frequency range	45-55/55-65Hz					
	THDI	<3%					
	PF	0.8lagging-0.8leading					
	AC connection	3W+N+PE					
	Transformer	Yes					
AC (off-grid)	Apparent power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
	Rated power	30kW	50kW	100kW	150kW	250kW	500kW
	Rated voltage	400V					
	Rated current	43A	72A	144A	217A	361A	720A
	THDU	≤2% linear					
	Rated frequency	50/60Hz					
	Overload capability	110%-10min120%-1min					
PV	Max. PV open-circuit voltage	1000VDC					
	MAX PV power	60/120KW		120/180/240KW		300/360KW	600/660/720KW
	PV mppt voltage range	200V-850V					
	MPPT number	1/2		2/3/4		5/6	10/11/12
Battery	Battery voltage range	250V-850V	320V-850V	420V-850V	420V-850V	420V-850V	500V-850V
	Battery full Load operating voltage range	250V-850V	320V-850V	420V-850V	420V-850V	420V-850V	500V-850V
Genera data	Dimension(WXDXH)	800X800X1900mm		1200X800X2050mm		1800X800X2050mm	2800X800X2050mm
	Weight	440kg	620kg	900kg	1250kg	1700kg	3520kg
	Environmental temperature	-25°C~+55°C					
	Relative humidity	0-95%non-condensing					
	Protection degree	IP20					
	Noise emission	75dB(A)@1m					
	Max.imum altitude	5000m(derate over 3000m)					
Cooling	Forced-air						
Communication	Display	Touch screen LCD					
	Communication interface	RS485/CAN					