

6-10kW Hybrid Inverter / Three-phase

Suitable for medium and big-sized household systems and intelligent switching on/off

Easy Installation

Ultra-silent

IP65 protection



► PV & storage system

Integrated PV and storage system model, high self-use efficiency, with UPS Uninterrupted Power Supply;

► Smart switching

UPS function, supporting three-phase imbalance, on/off grid switch within 10ms;

► Wide voltage input range

Wide PV voltage input range 180V-950V, wide batteries voltage range 180V-550V;

► Safe and reliable

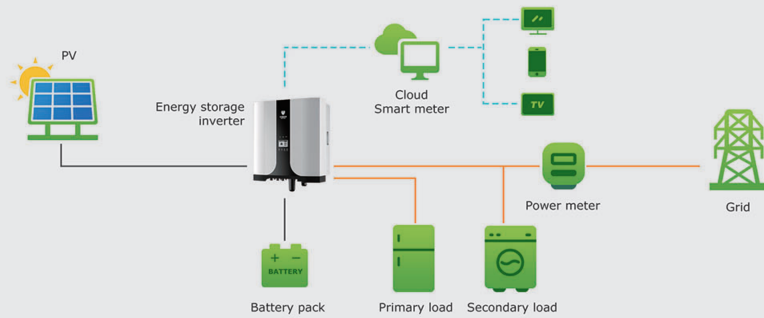
IP65 protection, high electricity quality, no interference with other equipment, low radiation;

► Smart and simple

Small size, light and easy to install, support GPRS/WIFI/RS485/USB upgrade;

► High-efficiency

Max Efficiency 98.2%, smart MPPT, tracing efficiency up to 99.99%.



Model	Y-EST06KH	Y-EST08KH	Y-EST10KH
Efficiency	Max. Efficiency >98.2%	>98.2%	>98.2%
PV Input	Max. PV input power(W)	7800	10400
	Max. PV input voltage(V)	1000	1000
	MPPT Operation Voltage Range(V)	180-950	180-950
	Number of MPPT/PV Strings	2/1	2/1
	Max. PV input current(A)	12.5/12.5	12.5/12.5
	Short-circuit current of PV input(A)	15/15	15/15
Battery	Max Input/Output Voltage(V)	550	550
	Operating Voltage Range(V)	180-550	180-550
	Max Charge/Discharge Current(A)	25/30	25/30
	Max Input/Output Power(W)	6000/6000	8000/8000
AC Input and Output	Battery Type	Li-ion/Lead-acid	Li-ion/Lead-acid
	Rated Power(W)	6000	8000
	Max. Apparent AC Power(VA)	6000	8000
	Nominal AC Voltage(Vac)	380,3L/N/PE	380,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60
	Max. AC Output Current(A)	10	12
	Power Factor Range	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
	OutputTHDI(@Nominal Output)	<3%	<3%
	Rated Output Power(W)	6000	8000
	Max. Apparent AC Output Power(VA)	6000	8000
Off-Grid AC Output (Back-up AC Output)	Nominal AC Output Voltage(Vac)	380,3L/N/PE	380,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60
	Max. AC Output Current(A)	10	12
	Operating Temperature Range	-25°C ...+60°C(>45°C derating)	
General Data	Operating Altitude(m)	<4000	
	Noise(dB)	<40	
	Topology	Transformerless	
	Cooling Method	Natural convection	
	Ingress Protection Rating	IP65	
	Relative Humidity	0-100%, no condensation	
	DC Connection Type	MC/Amphenol/Phoenix	
	AC Connection Type	Plug-in Connector	
	Display	LCD	
	Communication With Portal	RS485 (WIFI/GPRS Optional)	
	Communication With BMS	CAN	
	Communication With Meter	RS485	
	Mounting Method	Wall-mounting bracket	
	Dimensions (W*D*H)(mm)	505*570*220	
	Weight(Kg)	21	23
Certification	Safety	IEC62109-1/-2	
	EMC	EN61000-6-1/-2/-3, IEC61000	
	On-Grid standard	AS4777.2, NRS097-2-1:2017	