

6-10kW Hybrid Inverter / Three-phase (Built-in)

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



Easy Installation



Ultra-silent



Smart air-cooling



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

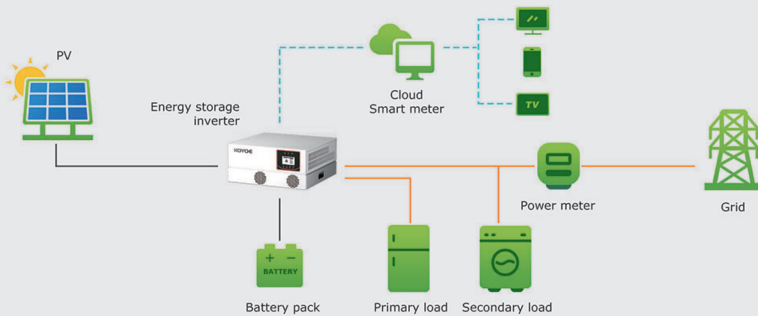
High electricity quality, no interference with other equipment, low radiation;

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-A	Y-EST08KH-A	Y-EST10KH-A
Efficiency	Max.Efficiency	>98.2%	>98.2%	>98.2%
	Max. PV input power(W)	7800	10400	13000
PV Input	Max. PV input voltage(V)	1000	1000	1000
	MPPT Operation Voltage Range(V)	180-950	180-950	180-950
	Number of MPPT/PV Strings	2/1	2/1	2/1
	Max. PV input current(A)	12.5/12.5	12.5/12.5	12.5/12.5
	Short-circuit current of PV input(A)	15/15	15/15	15/15
Battery	Max Input/Output Voltage(V)	550	550	550
	Operating Voltage Range(V)	180-550	180-550	180-550
	Max Charge/Discharge Current(A)	25/30	25/30	25/30
	Max Input/Output Power(W)	6000/6000	8000/8000	10000/10000
AC Input and Output	Battery Type	Li-Ion/Lead-acid	Li-Ion/Lead-acid	Li-Ion/Lead-acid
	Rated Power(W)	6000	8000	10000
	Max. Apparent AC Power(VA)	6000	8000	10000
	Nominal AC Voltage(Vac)	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60	50/60
	Max. AC Output Current(A)	10	12	15
	Power Factor Range	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
Off-Grid AC Output (Back-up AC Output)	OutputTHDi(@Nominal Output)	<3%	<3%	<3%
	Rated Output Power(W)	6000	8000	10000
	Max. Apparent AC Output Power(VA)	6000	8000	10000
	Nominal AC Output Voltage(Vac)	380,3L/N/PE	380,3L/N/PE	380,3L/N/PE
	AC Power Frequency(Hz)	50/60	50/60	50/60
General Data	Max. AC Output Current(A)	10	12	15
	Operating Temperature Range	-25°C ...+60°C(>45°C derating)		
	Operating Altitude(m)	<4000		
	Noise(dB)	<40		
	Topology	Transformerless		
	Cooling Method	Intelligent Fan		
	Ingress Protection Rating	IP20		
	Relative Humidity	5-85%, no condensation		
	DC Connection Type	Drawer type		
	AC Connection Type	Drawer type		
	Display	LCD		
	Communication With Portal	RS485 (WiFi/GPRS Optional)		
	Communication With BMS	CAN		
Communication With Meter	RS485			
Mounting Method	Built-in drawer mounting			
Dimensions (W*D*H)(mm)	505*490*230			
Weight(Kg)	21	23	23	
Certification	Safety	IEC62109-1/-2		
	EMC	EN61000-6-1/-2/-3,IEC61000		
	On-Grid standard	AS4777.2,NRS097-2-1:2017		