

6-10KW Three-Phase Energy Storage Inverter(built-in)

Model		KY-EST6K0H-A	KY-EST8K0H-A	KY-EST10KH-A
Efficiency	Max.Efficiency	>98.2%		
PV Input	Max. PV input power(W)	7800	10400	13000
	Max. PV input voltage(V)	1000		
	MPP Operation Voltage Range(V)	180-950		
	Max. number of PV strings per	1/1	1/1	
	Max. PV input current(A)	12.5/12.5	12.5/12.5	
	Short-circuit current of PV input(A)	13.5/13.5	13.5/13.5	
	Battery	Max Input/Output Voltage(V)	550	
Operating Voltage Range(V)		180-550		
Max Charge/Discharge Current(A)		25/30		
Max Input/Output Power(W)		6000/6000	8000/8000	10000/10000
Battery Type		Li-ion/Lead-acid		
AC Input and Output	Rated Power(W)	6000	8000	10000
	Max. Apparent AC Power(VA)	6000	8000	10000
	Nominal AC Voltage(Vac)	380,3L/N/PE		
	AC Power Frequency(Hz)	50/60		
	Max. AC Output Current(A)	10	12	15
	Power Factor Range	~1 (Adjustable from 0.8 leading to 0.8 lagging)		
	OutputTHDi(@Nominal Output)	<3%		
Off-Grid AC Output(Back-up AC Output)	Rated Output Power(W)	6000	8000	10000
	Max. Apparent AC Output	6000	8000	10000
	Nominal AC Output Voltage(Vac)	380,3L/N/PE		
	AC Power Frequency(Hz)	50/60		
	Max. AC Output Current(A)	10	12	15
General Data	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		