

### 6-10kW Energy Storage System (indoor)

Model	KYT6k0-25kwh-I	KYT8k0-25kwh-I	KYT10k-25kwh-I	
Efficiency	MPPT.Efficiency	99.90%		
	Max.Efficiency	>97.80%		
	Battery.Efficiency	>98.10%		
Battery Pack	Model	KY-51.2V100AH		
	Serial Number	5		
	Cell Type	Li-ion(LFP)		
	Battery Capacity(Ah)	100		
	Storage Capacity(KWh)	25.6		
	Available Capacity(KWh)	23		
	Voltage Range(V)	224-288		
	Cycle Life	4000, 90%DOD@25°C		
PV Input	Max. PV input power(W)	7800	10400	13000
	Max. PV input voltage(V)	1000		
	MPP Operation Voltage	180-950		
	Max. number of PV strings per MPPT	1/1	1/1	
	Max. PV input current(A)	12.5/12.5	12.5/12.5	
	Short-circuit current of PV	13.5/13.5	13.5/13.5	
	Battery Port	Operating Voltage Range(V)	180-550	
Max Charge/Discharge		25/30		
Communication With BMS		CAN		
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 Power(VA)	6000	8000	10000
	Nominal AC Output	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)	<3000		
	Noise(dB)	<40		
	Topology	Transformerless		
	Cooling Method	Intelligent Fan		
	Ingress Protection Rating	IP21		
	Relative Humidity	5-85%, no condensation		
	Display	LED Touching Screen		
	Communication With Portal	RS485 (WiFi/GPRS Optional)		
	Communication With Meter	RS485		
	Dimensions (W*D*H)(mm)	600*600*1530		
Certification	Safety	IEC62109-1/-2		
	EMC	EN61000-6-1/-2/-3,IEC61000		
	On-Grid standard	AS4777.2,NRS097-2-1:2017		
	Transportation	UN38.3		