

6-10kW Energy Storage System (outdoor)				
Model		KYT6k0-25kwh-O	KYT8k0-25kwh-O	KYT10k-25kwh-O
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	7000		
	PV Input	Max. PV input power(W)	7800	10400
Max. PV input voltage(V)		1000		
MPP Operation Voltage Range(V)		180~950		
No.of MPPT Trackers		2	2	
No.of Strings Per MPPT Tracker		1/1	1/1	
Max. PV input current(A)		15/15	15/15	
Short-circuit current of PV input(A)		18/18	18/18	
Battery Port	Operating Voltage Range(V)	180~550		
	Max Charge/Discharge Current(A)	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 Voltage(Vac)	380,3L/N/PE		
	AC Power Frequency(Hz)	50/60		
	Max. AC Output Current(A)	10	12	15
Genaral Data	Operating Temperature Range	-25℃ ...+60℃(>45℃ derating)		
	Operating Altitude(m)	<3000		
	Noise(dB)	<40		
	Topology	Transformerless		
	Cooling Method	Intelligent Fan		
	Ingress Protection Rating	IP54		
	Relative Humidity	0~95%, no condensation		
	Display	LCD		
	Communication With Portal	RS485 (WiFi/GPRS Optinal)		
	Communication With Meter	RS485		
	Dimensions (W*D*H)(mm)	700*675*1700		
	Certification	Safety	IEC62109-1/-2	
EMC		EN61000-6-1/-2/-3,IEC61000		
On-Grid standard		AS4777.2,NRS097-2-1:2017		
Transportation		UN38.3		