

12-20kW Energy Storage System (outdoor)					
Model		KYT12k-60kwh-O	KYT15k-60kwh-O	KYT17k-60kwh-O	KYT20k-60kwh-O
Efficiency	MPPT.Efficiency	99.90%			
	Max.Efficiency	>97.80%			
	Battery.Efficiency	>98.10%			
Battery Pack	Model	KY-51.2V100AH			
	Serial Number	12			
	Cell Type	Li-ion(LFP)			
	Battery Capacity(Ah)	100			
	Storage Capacity(KWh)	61.4KWh			
	Available Capacity(KWh)	55.3KWh			
	Voltage Range(V)	537~690Vdc			
	Cycle Life	7000			
PV Input	Max. PV input power(W)	15600	19500	22100	26000
	Max. PV input voltage(V)	1000			
	MPP Operation Voltage Range(V)	180~950			
	No.of MPPT Trackers	2	2	2	2
	No.of Strings Per MPPT Tracker	1/1	1/2	2/2	2/2
	Max. PV input current(A)	15/15	15/28	28/28	28/28
	Short-circuit current of PV input(A)	18/18	18/32	32/32	32/32
Battery Port	Operating Voltage Range(V)	180~700			
	Max Charge/Discharge Current(A)	50/50			
	Communication With BMS	CAN			
AC Input and Output	Rated Power(W)	12000	15000	17000	20000
	Max. Apparent AC Power(VA)	12000	15000	17000	20000
	Nominal AC Voltage(Vac)	380,3L/N/PE			
	AC Power Frequency(Hz)	50/60			
	Max. AC Output Current(A)	18	22	25	31
	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)	12000	15000	17000	20000
	Max. Apparent AC Output Power(VA)	12000	15000	17000	20000
	Nominal AC Output Voltage(Vac)	380,3L/N/PE			
	AC Power Frequency(Hz)	50/60			
	Max. AC Output Current(A)	18	22	25	31
Genaral 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	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)	1160*660*1500			
Certification	Safety	IEC62109-1/-2			
	EMC	EN61000-6-1/-2/-3,IEC61000			
	On-Grid standard	AS4777.2,NRS097-2-1:2017			
	Transportation	UN38.3			