

6-10kW Home Energy Storage Solutions (Indoor)

Battery capacity 20-25kWh, switch to off-grid mode without interruption, stable operation.

- Home appliance style
- Modular design
- Plug in installation



► Modular design

Modular design, plug-in installation, simple appearance design, integration of modern home;

► Smart switch

Off-grid operation, supporting emergency power supply, supporting three-phase imbalance, and seamless switching;

► Wide voltage input range

Ultra-wide PV voltage range 180V-950V, battery Ultra-wide voltage range 180V-550V;

► Safe and reliable

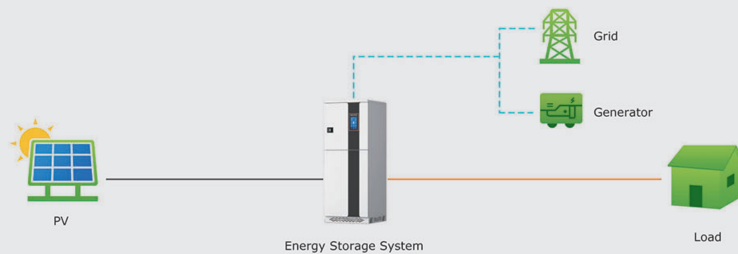
Smart air cooling, low temperature rise, long life time, multiple protection functions;

► Smart and simple

Supporting GPRS / WIFI / RS485 / USB, LED touching screen, supporting remote monitoring;

► High power efficiency

Less output power reduction under high temperature, with efficiency improved, max PV input power up to 1.3 X rated power.



Model		YT06kw-25kwh-I	YT08kw-25kwh-I	YT10kw-25kwh-I
Efficiency	MPPT.Efficiency	99.90%	99.90%	99.90%
	Max.Efficiency	>97.80%	>97.80%	>97.80%
	Battery.Efficiency	>98.10%	>98.10%	>98.10%
Battery Pack	Model	KY-51.2V100AH	KY-51.2V100AH	KY-51.2V100AH
	Serial Number	5	5	5
	Cell Type	Li-ion(LFP)	Li-ion(LFP)	Li-ion(LFP)
	Battery Capacity(Ah)	100	100	100
	Storage Capacity(KWh)	25.6	25.6	25.6
	Available Capacity(KWh)	23	23	23
	Voltage Range(V)	224-288	224-288	224-288
PV Input	Cycle Life	7000	7000	7000
	Max. PV input power(W)	7800	10400	13000
	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 Port	Operating Voltage Range(V)	180-550	180-550	180-550
	Max Charge/Discharge Current(A)	25/30	25/30	25/30
	Communication With BMS	CAN	CAN	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	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)		
	OutputTHDI(@Nominal Output)	<3%	<3%	<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	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
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 Optinal)		
	Communication With Meter	RS485		
Certification	Dimensions (W*D*H)(mm)	600*600*1530		
	Safety	IEC62109-1/-2		
	EMC	EN61000-6-1/-2/-3,IEC61000		
	On-Grid standard	AS4777.2,NRS097-2-1:2017		
Transportation	UN38.3			