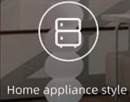


## 6-10kW Home Energy Storage Solutions (Stacked)

Battery capacity 20-30kWh, switch to off-grid mode without interruption, stable operation.



Home appliance style



Modular design



Stacked installation



### ► Modular design

Modular design, Stacked 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

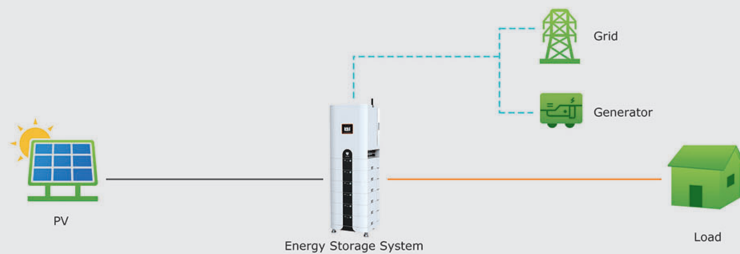
Smart air cooling, low temperature rise, long life time, multiple protection functions;

### ► Smart and simple

Supporting GPRS / WIFI / RS485 / USB, LCD design, 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-(20~25)kwh-T	YT08kw-(20~25)kwh-T	YT10kw-(20~25)kwh-T
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-51V105AH-T	KY-51V105AH-T	KY-51V105AH-T
	Serial Number *	4~5	4~5	4~5
	Cell Type	Li-ion(LFP)	Li-ion(LFP)	Li-ion(LFP)
	Battery Capacity(Ah)	105	105	105
	Storage Capacity(KWh)	20~25	20~25	20~25
	Available Capacity(KWh)	18~22.5	18~22.5	18~22.5
	Cycle Life	7000	7000	7000
PV Input	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
	Operating Voltage Range(V)	180-550	180-550	180-550
Battery Port	Max Charge/Discharge Current(A)	25/30	25/30	25/30
	Communication With BMS	CAN	CAN	CAN
	Rated Power(W)	6000	8000	10000
AC Input and Output	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%
	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
Off-Grid AC Output (Back-up AC Output)	Max. AC Output Current(A)	10	12	15
	Operating Temperature Range		-25°C ...+60°C(>45°C derating)	
	Operating Altitude(m)		<3000	
	Noise(dB)		<40	
	Topology		Transformerless	
	Cooling Method		natural	
	Ingress Protection Rating		IP65	
	Relative Humidity		5-85%, no condensation	
	Display		LCD	
	Communication With Portal		RS485 (WIFI/GPRS Optional)	
General Data	Communication With Meter		RS485	
	Dimensions (W/H/D)		510*446.5*1490mm	
	Safety		IEC62109-1/-2	
	EMC		EN61000-6-1/-2/-3,IEC61000	
	On-Grid standard		AS4777-2,NRS097-2-1:2017	
Certification	Transportation		UN38.3	

\*Battery pack stacking quantity selection range

\*The model name is determined by the number of battery packs