3-8kW Home Energy Storage Solutions (Stacked)

Battery capacity 4-16kWh, switch to off-grid mode without interruption, stable operation.

Home appliance style

Modular design

Stacked installation

Good battery scalability

The number of stacking strings is 1~4, which can be flexibly adjusted

Easy installation

Stack-type installation, no external wiring

Safe and reliable

IP65 protection grade, high power quality, does not interfere with electrical equipment, ultra-low radiation

Intelligent and friendly

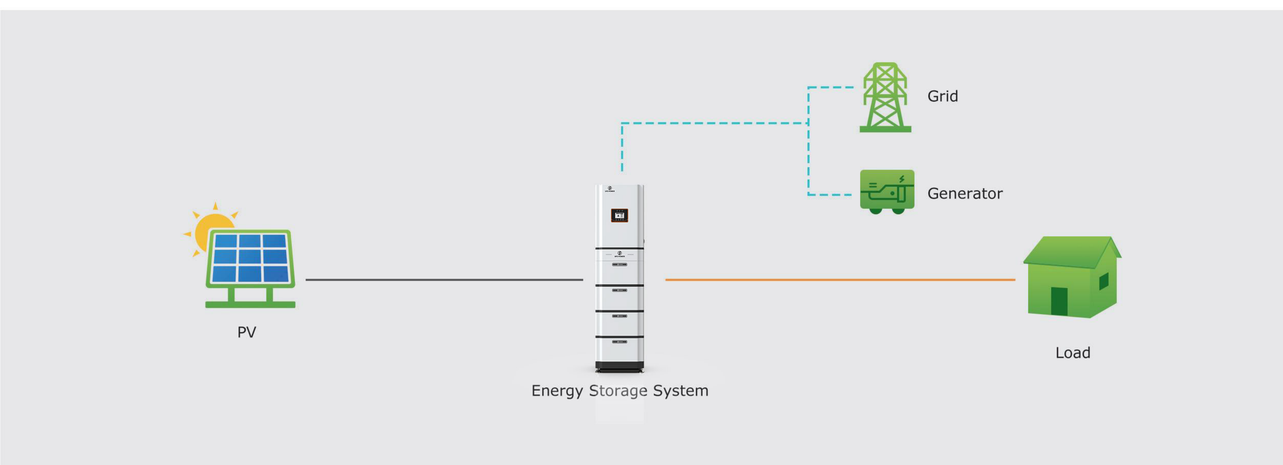
Ultra-quiet design, flexible communication mode:

Intelligent switching

Support emergency power supply, and seamless off-grid switching;

Efficient power generation

Maximum efficiency 97.8%, intelligent MPPT algorithm, tracking efficiency up to 99.99%.



UFO POWER

Model		KYT3KW-(4~16)KWH-S	KYT4.2KW-(4~16)KWH-S	KYT5KW-(4~16)KWH-S	KYT6KW-(4~16)KWH-S	KYT7KW-(4~16)KWH-S	KYT8KW-(8~16)KWH-S
PV Input	Max. Input Power	4500W	6300W	7500W	9000W	10500W	12000W
	Max. Input Voltage	600V	600V	600V	600V	600V	600V
	MPPT Operating Voltage Range	80-500V					
	Start-up Voltage	60V					
	Nominal input Voltage	360V					
	Max. Input Current	16A					
	Max. Short Circuit Current	25A					
	Number of MPPT Trackers	2					
	Number of Strings per MPPT	1/1					
Battery Pack	Model	KY-102V40AH					
	Operating Voltage Range	93-454V					
	Serial Number*	1-4					
	Battery Capacity	4096Wh					
	Storage Capacity	4-16kWh					
	Max. Charge/Discharge Current	30A					
	Max. Charge/Discharge Power	3000W/3000W	4200W/4200W	5000W/5000W	6000W/6000W	7000W/7000W	8000W/8000W
AC Output Data(On-grid)	Nominal Output Power	3000W	4200W	5000W	6000W	7000W	8000W
	Max. Apparent Power	3000VA	4200VA	5000VA	6000VA	7000VA	8000VA
	Nominal Output Voltage	230V					
	Nominal Output Frequency	50Hz/60Hz					
	Max. Output Current	13A	18.3A	21.7A	26A	30.4A	34.8A
	Power Factor	~1（0.8 lead to 0.8 lag can be set）					
	Total Harmonic Distortion	<3%					
AC Output Data(Back-up)	Nominal Output Power	3000W	4200W	5000W	6000W	7000W	8000W
	Peak Output Power	3000W	4200W	5000W	6000W	7000W	8000W
	Nominal Output Voltage	230V	230V	230V	230V	230V	230V
	Nominal Output Frequency	50Hz/60Hz					
	Max. Output Current	13A	18.3A	21.7A	26A	30.4A	34.8A
Efficiency	Max. Efficiency	>97.4%					
	European Efficiency	97.50%					
Protection	Insulation Protection	Integrated					
	Residual Current Monitoring	Integrated					
	PV Reverse Polarity Protection	Integrated					
	Anti-islanding Protection	Integrated					
	Overcurrent Protection	Integrated					
	Dc component protection	Integrated					
	DC Surge Protection	Type Ⅱ					
	AC Surge Protection	Type Ⅲ					
General Data	Operating Temperature Range	10℃~45℃（can not be charged below 0℃）					
	Altitude	3000m					
	Topology	Transformerless isolation					
	Cooling	Natural convection					
	Ingress Protection Rating	IP65					
	Relative Humidity	0-95%					
	Display	LCD,wifi+APP					
	Communication	WIFI/RS485/GPRS					
	Communication with Meter	CT/METER					
	Dimension（W*D*H）	425*340mm					
	Weight	60-150kg					

*Battery pack stacking quantity selection range　*The model name is determined by the number of battery packs