

All-in-one Energy Storage Solution(Indoor)



FEATURES

- ▶ Remote control, real-time control and monitor users' electricity consumption;
- ▶ Plug & play design, provide users with an optimal economic electricity consumption plan;
- ▶ Ensure safe electricity consumption, emergently power supply for primary loads;
- ▶ Modular design, configure 5kwh\10kwh\15kwh\20kwh, safe & reliable;
- ▶ Full power operation under 45°C.

APPLICATIONS



Mine off-grid



Villages and town without electricity



Household energy storage



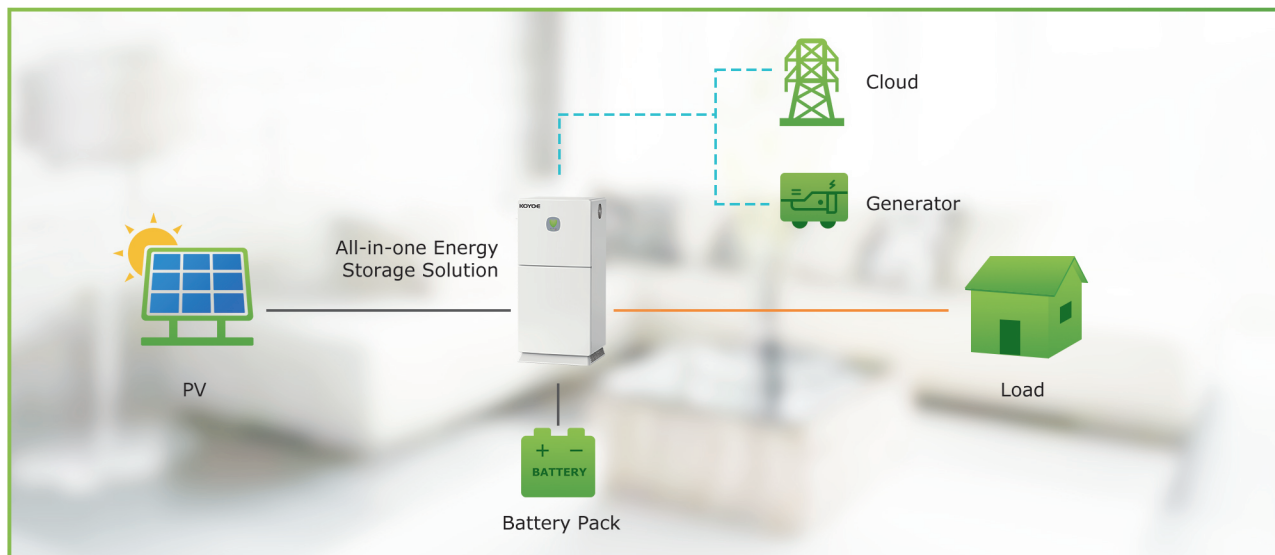
Island off-grid



Farm off-grid



Commercial real estate



List		KYS5k-10kwh	KYS5k-20kwh
Efficiency	MPPT efficiency	99.90%	99.90%
	Max efficiency	97.60%	98.10%
	Battery charge & discharge efficiency	98.10%	98.50%
Battery port	Operating DC voltage range	85V~110V	170V~220V
	Charge/Discharge power	2500W/3000W	5000W/5500W
	Max Charge/Discharge current	25A/30A	25A/30A
	Communication interfaces	RS485/CAN	RS485/CAN
	Reverse connect protection	Y	Y
PV port	Absolute maximum PV input voltage	550V	550V
	Operating MPPT voltage range	120V-550V	120V-550V
	Absolute maximum PV input power	6000W	6000W
	Rated PV input voltage	380V	380V
	Number of MPPT trackers	2	2
	MaxPV input power for each MPPT	3300W	3300W
	MaxPV input current for each MPPT	13A/13A	13A/13A
	Max input short circuit current for each MPPT	15A/15A	15A/15A
	DC connection switch	Optional	Optional
	DC conection type	Quick fit connector	Quick fit connector
	DC connection type	Quick fit connector	Quick fit connector
Output AC	Grid connection type	Single phase	Single phase
	Absolute maximum AC power	5000VA	5000VA
	Norminal AC power	5000W	5000W
	Rated grid voltage/grid connected voltage range	230V/180V-280V	230V/180V-280V
	Rated grid frequency	50Hz/60Hz	50Hz/60Hz
	Norminal grid current	21.7A	21.7A
	Nominal power factor and adjustable range	1 and 0.8 leading-0.8 lagging	1 and 0.8 leading-0.8 lagging
	THD	<3%	<3%
	AC conection type	Quick fit AC circular connector	Quick fit AC circular connector
	AC connection type	Quick fit AC circular connector	Quick fit AC circular connector
	AC connection type	Quick fit AC circular connector	Quick fit AC circular connector
Backup output	Max apparent power	6000VA	6000VA
	Rated AC voltage	230V	230V
	Max AC output current	26.1A	26.1A
	Peak power and duration	7000W/10s	7000W/10s
	Out frequency range	45Hz-55Hz/55Hz-65Hz	45Hz-55Hz/55Hz-65Hz
	Switch time	<10ms	<10ms
	Connection type	Quick fit AC circular connector	Quick fit AC circular connector
General data	Dimensions(W*H*D)[mm]	590*1270*465mm	700*1900*450mm
	Weight	200kg	284kg
	IP grade	IP21	IP21
	Cooling	Wind cooling	Wind cooling
	Communication	WIFI(optional)/GPRS(optional)/Ethernet/Meter/DRM	
	Display/monitoring	LED(optional)/APP/Web	LED(optional)/APP/Web
	Mounting	Wall bracket	Wall bracket
	Ambient temperature	-25°C-60°C	-25°C-60°C
	Relative humidity	≤95%(non-condensing)	≤95%(non-condensing)
	Altitude	Derating at 2000m	Derating at 2000m
	Acoustic noise emission level	<35dB @ 1m	<35dB @ 1m
	Over voltage category	III (AC side) , II (PV side)	III (AC side) , II (PV side)
	Standby consumption	<10W	<10W
	Start voltage	83V	83V
	Topology	Transformerless	Transformerless
	Standard warranty	5/10years	5/10years
	Standard	Safety	IEC62109-1/-2,IEC62477-1,IEC62619,UN38.3
EMC		EN61000-6-2/-3, EN61000-3-2/-3	
Grid		AS/NZS 4777.2, NRS 097-2-1:2017, GBT 34133-2017	