

Battery Pack (Stack)



► Easy to install

Stackable installation, can be operated by one person;

► Strong scalability

It can be expanded according to the matching inverter and actual usage, stacked by 2~6 battery packs;

► BMS management

Integrated BMS management inside the battery pack, no need for a separate master;

► Comprehensive security protection functions

Real-time monitoring of cell voltage, current and temperature, three-level fault warning and multiple hardware and software protections;

► Overshoot and over-discharge protection

The contactor switch is used inside, and the switch is reliable; the over-discharge system is automatically powered off to reduce its own loss; (The internal contactor switch has passed UL Certification UL 60947-4-1 with Certificate Number: UL E499520)

► Precise power calculation

High-precision sampling devices, combined with a variety of SOC algorithms.

Model	KY-51V105AH-S	KY-102V105AH-S	KY-153V105AH-S	KY-204V105AH-S	KY-255V105AH-S	KY-306V105AH-S
Battery cell	Li-ion (LiFePO4)					
Number of battery packs	1	2	3	4	5	6
Rated voltage (Vdc)	51.2	102.4	153.6	204.8	256	307.2
Rated capacity (Ah)	105	105	105	105	105	105
Rated Energy(kWh)	5.376	10.752	16.128	21.504	26.880	32.256
Depth of discharge	90%	90%	90%	90%	90%	90%
Operating voltage range (Vdc)	46.4~56.8	92.8~113.6	139.2~170.4	185.6~227.2	232~284	278.4~340.8
Nominal charge/discharge current (A)	50	50	50	50	50	50
Max charge/discharge current (A)	55	55	55	55	55	55
Rated DC Power (W)	2560	5120	7680	10240	12800	15360
Usable battery capacity (kWh)	4.838	9.677	14.515	19.354	24.192	29.030
Dimensions (L*W*H mm)	390*380*300	390*380*600	390*380*900	390*380*1200	390*380*1500	390*380*1800
Communication method	CAN/RS485	CAN/RS485	CAN/RS485	CAN/RS485	CAN/RS485	CAN/RS485
Working temperature (℃)	0~50	0~50	0~50	0~50	0~50	0~50
Storage temperature (℃)	-20~45	-20~45	-20~45	-20~45	-20~45	-20~45
Humidity	<45%	<45%	<45%	<45%	<45%	<45%
Altitude (m)	<2000	<2000	<2000	<2000	<2000	<2000
Weight(Kg)	57	114	171	228	285	342
Cycle life	6000	6000	6000	6000	6000	6000
IP rating	IP54	IP54	IP54	IP54	IP54	IP54
Country of Manufacture	Made in China					