

The parameter of battery system

Item	Parameter									
Model	KY-48V10 5AH	KY-96V10 5AH	KY-144V1 05AH	KY-192V1 05AH	KY-240V1 05AH	KY-288V1 05AH	KY-336V1 05AH	KY-384V1 05AH	KY-432V1 05AH	KY-480V1 05AH
Cell Technology	Li-ion(LFP)									
Capacity (Ah)	105									
Nominal Capacity(KWh)	5.04	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0
Usable Capacity (KWh)	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45
Rate DC power(KW)	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	21.6	24
Max charge power(KW)	2.64	5.28	7.92	10.56	13.2	15.84	18.48	21.12	23.76	26.4
Max discharge power(KW)	2.64	5.28	7.92	10.56	13.2	15.84	18.48	21.12	23.76	26.4
Number of Cell strings	15	30	45	60	75	90	105	120	135	150
System Standard Voltage(V)	48	96	144	192	240	288	336	384	432	480
System Max Voltage (V)	54.75	109.5	164.25	219	273.75	328.5	383.25	438	492.75	547.5
System min voltage(V)	37.5	75	112.5	150	187.5	225	262.5	300	337.5	375
Short Current(A)	70									
Standard Charge Current (A)	50									
Max Charge Current (A)	55									
Max discharge Voltage (V)	53.25	106.5	159.75	213	266.25	319.5	372.75	426	479.25	532.5
Standard Discharge Current (A)	50									
Max Discharge Current (A)	55									
Communication	RS485/CAN									
IP Rating	IP20									
Weight (kg)	41	82	123	164	205	246	287	328	369	410
Operation Life (Years)	10									
Product warranty(Years)	5									
Single Pack Dimension (mm)	452*300*245									
Operation Cycle Life	3500,25℃,90%DOD(Singlel pack)									
Operation Temperature (℃)	0~50									
Storage Temperature (℃)	-20~60									
Humidity	<45%									

Altitude (m)	<2000
--------------	-------