

Energy Storage System - Hi-voltage, Expandable and Stable



Flexible configuration
and capacity



Higher efficiency of charge
And discharge (97%-98%)



High-voltage ESS, smaller
current and interference



Expandable
battery system



1 and 3 phase systems



Lithium iron phosphate
battery



Technical Specifications

Model	SP K5-MS2	SP K8-MS3	SP K11-MS4	SP K14-M5	SP K17-MS6	SP K20-MS7
ELECTRICAL CHARACTERISTICS						
Battery Type	LiFePO4 Prismatic Cell					
Battery Module	I*HM2880 1*HS2880	I*HM2880 2*HS2880	I*HM2880 3*HS2880	I*HM2880 4*HS2880	I*HM2880 5*HS2880	I*HM2880 6*HS2880
Nominal Capacity[Wh]	5760	8640	11520	14400	17280	20160
Nominal Voltage[V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage[v]	97.2 - 131.4	145.8 - 197.1	194.4 - 262.8	243 - 328.5	291.6 - 394.2	340.2 - 459.9
Recommend Discharge Current [A]	25					
Max.Charge/ Discharge Current [A]	50					
Peak Discharge Current [A]	65A @30sec					
Battery Pack Round-Trip Efficiency	>95%					
Depth of discharge	90%					
Cycle Life	≥6000*1					
Communication	CAN. RS485					
Display	CS: LED*1, CM: LED*7					
Scalability	Max. 7 Modules in Series					
OPERATING CONDITIONS						
Installation Location	Outdoor/ Indoor (Stand)					
Operating Temperature [°C]	-10-55					
Storage Temperature [°C]	-20-55					
Cooling method	Natural Convection					
Humidity	0% to 100% (No Condensing)					
Altitude [m]	Max. 2,000					
MECHANICAL CHARACTERISTICS						
Dimensions (W*H*D) (mm)	570*350*380	570*470*380	570*590*380	570*710*380	570*830*380	570*950*380
Weight (kg)	67.1	99.5	132.8	164.3	195.8	229.1
CERTIFICATES						
Safety	IEC 62619					
EMC	EN IEC 61000-6-1/2/3/4					
Transportation	UN38.3					
Ingress Protection	IP65					

*1 25°C, @90% DOD,0.5C charging/discharging

