

DATASHEET

SolisStor-(5-40)kWh-L-ST-66

Models	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Performance Parameters								
Number of battery modules	1	2	3	4	5	6	7	8
Battery type	LiFePO ₄							
Nominal capacity	5.1 kWh	10.2 kWh	15.3 kWh	20.4 kWh	25.5 kWh	30.6 kWh	35.7 kWh	40.8 kWh
Usable capacity	4.6 kWh	9.2 kWh	13.2 kWh	18.4 kWh	23 kWh	27.6 kWh	32.13 kWh	36.72 kWh
Operating voltage	44.8 - 57.6 V							
Rated cell capacity	100 Ah	200 Ah	300 Ah	400 Ah	500 Ah	600 Ah	700 Ah	800 Ah
Recommended charge/discharge rate	0.5C							
Recommended charge/discharge current	50 A	100 A	150 A	200 A	250 A	300 A	320 A	320 A
Maximum sustainable charging current	50 A	100 A	150 A	200 A	250 A	300 A	320 A	320 A
Maximum sustainable discharge current	100 A	200 A	200 A	200 A	200 A	200 A	200 A	200 A
Recommended depth of discharge (DOD)	90%							
Charging temperature range	0 ~ 55°C (with heating function, >45°C, derating)							
Discharging temperature range	-20 ~ 55°C (>45°C, derating)							
Communication interface	CAN/RS485							
Cycle life	>6000 Cycles (@25°C, 0.5C/0.5C, 70% EOL@90% DOD) / 10 years							
Expansion capability	Up to 4 units in parallel							
Standard Parameters								
Cooling method	Natural cooling							
Certifications & safety standards	TBD							
Dimensions (W × H × D)	TBD							
Weight	TBD							
Ingress protection	IP66							
Installation method	Floor-mounted / Wall-mounted (Default)							
Recommended operating temperature	10 ~ 45°C							
Maximum operating altitude	≤ 4000 m							
Operating ambient humidity	5 ~ 95% RH							
Control Box Parameters								
Operating voltage	25 - 60 V							
Recommended charge/discharge current	200 A							
Dimensions (W × H × D)	TBD							
Weight	TBD							
Communication interface	CAN/RS485							