

DATASHEET

SolisStor-(15-40)kWh-H-ST-66

Models	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Performance Parameters						
Number of battery modules	3	4	5	6	7	8
Battery type	LiFePO ₄					
Nominal capacity	15.3 kWh	20.4 kWh	25.5 kWh	30.6 kWh	35.7 kWh	40.8 kWh
Usable capacity	13.77 kWh	18.36 kWh	22.95 kWh	27.54 kWh	32.13 kWh	36.72 kWh
Operating voltage	134.4 - 172.8 V	179.2 - 230.4 V	224 - 288 V	268.8 - 345.6 V	313.6 - 403.2 V	358.4 - 460.8 V
Rated cell capacity	100 Ah					
Recommended charge/discharge rate	0.5C					
Recommended charge/discharge current	50 A					
Maximum sustainable charging current	50 A					
Maximum sustainable discharge current	50 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	80 - 1000 V					
Recommended charge/discharge current	50 A					
Dimensions (W × H × D)	TBD					
Weight	TBD					
Communication interface	CAN/RS485					