

DATASHEET

SolisStor-(5-16)kWh-L-WM-20

Models	5kWh		10kWh	16kWh
Performance Parameters				
Battery type	LiFePO ₄			
Nominal capacity	5.1 kWh	10.2 kWh	16 kWh	
Usable capacity	4.6 kWh	9.2 kWh	14.46 kWh	
Operating voltage	44.8 - 57.6 V			
Rated cell capacity	100 Ah	100 Ah	314 Ah	
Recommended charge/discharge rate	0.5C			
Recommended charge/discharge current	50 A	100 A	157 A	
Maximum sustainable charging current	50 A	100 A	157 A	
Maximum sustainable discharge current	100 A	200 A	157 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/RS232			
Cycle life	>6000 Cycles (@25°C, 0.5C/0.5C, 70% EOL@90% DOD) / 10 years			
Expansion capability	Up to 8 units in parallel			
Standard Parameters				
Cooling method	Natural cooling			
Certifications & safety standards	TBD			
Dimensions (W × H × D)	TBD			
Weight	TBD			
Ingress protection	IP20			
Installation method	Floor-mounted / Wall-mounted (Default)			
Recommended operating temperature	10 ~ 45°C			
Maximum operating altitude	≤ 4000 m			
Operating ambient humidity	5 ~ 95% RH			