



3.3/6.5 KWH

95 % DOD

10 YEAR WARRANTY

6000 CYCLES

'PLUG & PLAY' INSTALL

COMPACT DESIGN

SolaX Battery

SOLAX 3.3KWH - SOLAX 6.5KWH



Global: +86 571-56260008

AU: +61 1300 476529

DE: +49 7231 4180999

UK: +44 2476 586998

Website: www.solaxpower.com

Email: info@solaxpower.com



SOLAX 3.3KWH

SOLAX 6.5KWH

General Information		
Model Name	Stand Alone	
Module type	Li-ion (NMC)	
Battery type	Battery Cells + BMS + Protection Device (fuse) + Fan (Optional)	
Components	Battery Cells + BMS + Protection Device (fuse)	
Nominal Characteristics		
Voltage [V]	51.8	
Capacity [Ah]	63	126
Total Energy [kWh]	3.262	6.524
Usable Energy [kWh]	>3.1	>6.2
Energy Density [Wh/l] / [Wh/kg]	197 / 125	227 / 148
Round Trip Efficiency [%]	>95 (with Standard Charging/Discharging Condition)	
Standard Charging Condition (at 25°C)	CC-CV* Charge Current: 18.9A(0.3CC) End Voltage/Current: 58.8V / 3.15A	CC-CV Charge Current: 37.8A(0.3CC) End Voltage/Current: 58.8V / 6.3A
Standard Discharging Condition (at 25°C)	CC Discharge Current: 18.9A(0.3CC) End Voltage: 42V	CC Discharge Current: 37.8A(0.3CC) End Voltage: 42V
Electrical Specifications		
Voltage Range [V]	42 ~ 58.8	
Max. Charging Current [A]	63	
Max. Discharging Current [A]	63	
Circuit Protection Devices	Fuse, Pre-charging circuit (70W, 60Ohm)	
Self-Consumption Power [W]	TBD (with fan / without fan)	
Mechanical Specifications		
Dimension [DxWxH, mm]	338.8 x 445 x 110 Width: 445 mm (W/O MTG), 483 mm (W MTG)	586.6 x 445 x 110 Width: 445 mm (W/O MTG), 483 mm (W MTG)
Weight [kg]	25.5±0.2	44±0.2
Ingress Rating	IP21	
Cooling	Forced Air Cooling (Optional)	Natural Convection
Communication Specifications		
Communication Protocol	CAN / Modbus485	
Hard-wiring	Dry Contact 2ch	
Communication Port	RJ48	
Operation Conditions		
Operation Temperature [OC]	-10 ~ 45	Optimal : 15 ~ 30
Operation Humidity [%]	5~95	
Altitude [m]	Max. 2000	
Functional Features		
Hot-swappability	Functions of replacing the battery module without shutting down	
Scalability	Parallel connection Up to 10 modules (630Ah / 1260Ah) ※ Not acceptable to use two kinds of modules mixed	
Circuit Protection	Fuse, Pre-charging circuit on discharge current path (70W, 60Ohm)	
Storage Condition		
Temperature [°C]	-30 ~ 60	
Operation Humidity [%]	5~95	
Certification		
Safety	UL1642 (Cell level), UL1973 (Module level)	
EMC	EN 61000	
Transport	UN38.3	
Environment	ROHS	

*CC: Constant Current, CV: Constant Voltage