

YOUR
SMART
ENERGY



BATTERY M166280-S

Liquid Cooling Battery Module

CAPACITY
46.5 kWh Battery Module



IP67 Protection Rating

Adapts to Various Harsh Environments

Efficient Isothermal Liquid Cooling Design

PACK-Level Combustible Gas Detection + Fire Suppression

MSD+Fuse Safety Power-Off Design for Rapid Disconnection in Abnormal Conditions

Multiple Pressure Relief Valves for Safe High-Pressure Gas Release in Extreme Situations

BATTERY M166280-S



Model	M166280-S
Physical Parameters	
Battery Chemistry	LiFePO ₄
Pack	3.2 V / 280 Ah @ 1P52S
Weight	333 kg
Dimensions (W x D x H)	810 x 1100 x 237.5 mm
Ingress Protection	IP67
Performance Parameters	
Rated Voltage	166.4 V
Operating Voltage	140.4 ~ 187.2 V
Nominal Capacity	46.5 kWh
Cycle Life	≥6000 @ 0.5 P 25°C
Rated Charging and Discharging Power	23.2 kW (0.5 P)
Operating Temperature Range	-30 °C ~ 50 °C*
Operating Humidity Range	≤ 95% RH (No Condensation)

*The optimum temperature range is 15~35°C. If the ambient temperature is too high or too low, the battery performance may deteriorate.



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