

• YOUR  
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## BATTERY M166280-S

Liquid-Cooled Battery Module

### CAPACITY

46.6 kWh Battery Module



**IP67 Protection Level**

**Adaptability to Harsh Environments**

**Uniform-Temperature Liquid Cooling Design**

**PACK-Level Combustible Gas Detection + Fire Suppression**

**MSD+Fuse Safe Power-Off Design**

**Multiple Pressure Relief Valves**

# BATTERY

# M166280-S



Model	M166280-S
<b>Physical Parameters</b>	
Battery Type	LiFePO4
Pack	3.2 V / 280 Ah@1P52S
Weight	349.5 kg
Dimensions (W x D x H)	810 x 1100 x 347.5 mm
IP Protection	IP67
<b>Performance Parameters</b>	
Rated Voltage	166.4 V
Operating Voltage	140.4 ~ 187.2 V
Nominal Capacity	46.6 kWh
Cycle Life	≥6000@ (0.5P 25°C)
Rated Charging/Discharging Ratio	0.5P / 1P
Operating Temperature Range	-30°C ~ 50°C*
<b>BMS</b>	
Energy Loss	1W
Monitoring Parameters	The voltage and temperature of the cell, the temperature of the PCBA
Communication Interface	CAN

\* Max. charge/discharge current derating will occur related to temperature and SOC.



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