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电池 M166280-S

液冷电池模块

容量

电池模块容量:46.6 kWh



IP67防护等级

适应多种严苛环境

高效均温液冷设计

PACK级可燃气体检测+消防抑制

MSD+Fuse安全断电设计,异常情况快速切断

多个泄压阀,极端情况下高压气体安全排出

电池

M166280-S



型号	M166280-S
物理参数	
电池种类	磷酸铁锂 (LFP)
电池厂家	亿纬锂能
成组方式	1P52S
重量	349.5 kg
尺寸 (宽 x 深 x 高)	810 x 1100 x 347.5 mm
防护等级	IP67
电池性能参数	
额定电压	166.4 V
工作电压范围	140.4 ~ 187.2 V
额定能量	46.6 kWh
额定充放电倍率	0.5P / 1P
冷却方式	液冷
循环寿命	≥6000 (@25°C, 0.5P)
工作温度范围	-30°C~50°C*
电池管理系统	
能量消耗	1 W (工作状态)
监控参数	电芯的电压和温度, PCBA的温度
通讯方式	CAN

*环境温度太高或太低, 电池性能下降。



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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
Physical Parameters	
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
Performance Parameters	
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	-40°C ~ 65°C*
BMS	
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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