



Perfect Compatibility

Compatible to most inverter brands on the market



Premium Cell

Tier one new Grade A only



Fast Installation

Plug & Play battery interface



Compact Design

Mobile type with small footprint



Safety

BMS & Breaker two Level protection



Long Life

6000 cycles long working lifespan

51.2V 280AH 14.336KWH

Moblie Batteries
Lithium Battery

M SERIES

Technical Parameters

Module ID	SAS51280-W
Nominal voltage(V)	51.2
Nominal capacity(AH)	280
Energy(KWH)	14.336
Interal Resistance	≤200mΩ
Cycle Life	≥6000 (25℃±2℃, 0.5C / 0.5C, 90%DOD)
Months Self Discharge	<3%
Charge Mode	CC/CV
Operating Voltage (V)	43.2~57.6(Max discharge/Max charge)
Max (Dis)charge Current(A)	200
Recommend (Dis)charge Current(A)	100(140 optional)
BMS(A)	200
Operating Temperature	Charge : 0 ~ 55℃ / Discharge : -20℃ ~ 55℃
Water Dust Resistance	IP20(IP54 OPTIONAL)
Cell & Method	3.2V280H 16S1P
Protocol (optional)	RS232/RS485/CAN/BLUETOOTH/WIFI
Safety & Certification	CELL:UL1642/UL1973/IEC62619/CE/CB/UN38.3/UL9540/ROHS/REACH
Compatible Inverters	Deye/GoodWe/Solis/SAJ/Sinexcel/Hoymiles/Growatt/Ecatus/Sermatec/ATESS/Sunways etc.
Neight Weight (kg)	117
Gross Weight (kg)	130
Size (mm)	854*500*300(H*W*D)
Package Size (mm)	945*625*510
Qty of Loading	84pcs/20ft 168pcs/40ft

Notes

*File version: 2026V1-EN

*Weight and Size of the battery module is based on the actual product, with a tolerance of * 3% allow

*Specifications may vary during continuous improvements, pls contactus for latest details.

*The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance