

Voltsmile

DATASHEET



S series

Model

S1 Low-voltage Battery

Main Parameter

Battery Chemistry	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	43.2~57.6V
Capacity	5,120Wh
Scalability	Max 16 units in parallel
Max Continuous Charging Current	100A / module , 200A / group
Max Continuous Discharging Current	100A / module , 200A / group
Charging Temperature	0°C ~ 55°C
Disharging Temperature	0°C ~ 55°C
Communications	CAN / RS485
IP Rating	IP65 , Indoor / outdoor
Dimensions	520*255*330mm
Cycle Life	>6000(25°C)
Altitude	< 3500 M
Installation	Floor-Mounted
Humidity	5%~95%(RH) No Condensation
Warranty	10 years
Designed Life	10 years+
Certification	IEC62619 / UN38.3 / CE / ROHS
Cooling	Natural convection

Introduction

The Voltsmile S1 Stackable Lithium Iron Battery Pack, a stylish and scalable energy solution designed for both indoor and outdoor applications. Operating at a voltage of 51.2V with a capacity of 5.12kWh, the Voltsmile S1 is perfect for those seeking reliable and expandable power storage. With an IP65 rating, this battery pack is built to endure the elements, making it an excellent choice for various outdoor settings.

Top case



Base unit



Power cable set



- 1*2m Negative power cable
- 1*2m Positive power cable
- 1*2m grounding cable
- 2*3m communication cable between battery & inverter