

Voltsmile

DATASHEET



H series

Model

H1 High-voltage Battery

Main Parameter

Battery Chemistry	LiFePO4
Nominal Voltage	51.2V
Capacity	5,120Wh
Charge Current	80A
Discharge Current	100A
Communications	CAN / Wireless
Scalability	Max 12 units in series
Dimensions	520 × 255 × 280mm
Weight	44 kg
Working Temp	0°C~50°C
Store Temp	-20°C~55°C
IP Rating	IP65
Humidity	5%~95%(RH) No Condensation
Altitude	< 3500 M
Installation	Floor-Mounted
Designed Life	10 years+
Warranty	10 Years
Certifications	IEC62619 / IEC62477/ UN38.3 / CE / ROHS

Introduction

The Voltsmile H1 Stackable High Voltage Lithium Iron Battery Pack, a cutting-edge energy storage solution designed for efficiency, scalability, and style. Operating at 51.2V with a capacity of 5.12kWh, the Voltsmile H1 is perfect for diverse power needs, both indoor and outdoor. With an IP65 rating, this battery pack is built to withstand harsh environments, making it an ideal choice for outdoor applications.

	2 Battery Modules	3 Battery Modules	4 Battery Modules	5 Battery Modules	6 Battery Modules	7 Battery Modules
Total Height	885 mm	1,125 mm	1,365 mm	1,605 mm	1,125 mm	1,231 mm
Total Weight	115 Kg	160 Kg	205 Kg	270 Kg	315 Kg	360 Kg
Rated Voltage	102V	154V	205V	256V	307V	358V
Total Capacity	10,240Wh	15,360Wh	20,480Wh	25,600Wh	30,720Wh	35,840Wh
Max Voltage	117V	175V	234V	292V	350V	409V
Min Voltage	87V	130V	173V	216V	259V	302V
Output Wattage	10.2kW	15.4kW	20.5kW	25.6kW	30.7kW	35.8kW

	8 Battery Modules	9 Battery Modules	10 Battery Modules	11 Battery Modules	12 Battery Modules
Total Height	1,365 mm	1,471 mm	1,605 mm	1,231 mm	1,365 mm
Total Weight	405 Kg	450 Kg	495 Kg	565 Kg	605 Kg
Rated Voltage	410V	461V	512V	563V	615V
Total Capacity	40,960Wh	46,080Wh	51,200Wh	56,320Wh	61,440Wh
Max Voltage	467V	526V	584V	642V	701V
Min Voltage	346V	389V	432V	475V	518V
Output Wattage	40.9kW	46.1kW	51.2kW	56.3kW	61.4kW

H Controller

H Battery Cover

H Base Unit

Cluster Bridge



Power cable set

