

HOME ENERGY STORAGE

HOPE 16.0LM-A1

Low-voltage battery · 16 kWh


16 kWh

ENERGY CAPACITY

51.2 V

NOMINAL VOLTAGE

6000 cycles

CYCLE LIFE

IP20

PROTECTION CLASS

Parameter	Unit	HOPE 16.0LM-A1
Battery		
Cell type		LiFePO4
Nominal voltage	V	51.2
Nominal energy capacity	Wh	16000
Usable energy capacity	Wh	15300
Operating voltage range	V	40 – 58.4
Max. charge current	A	150
Max. discharge current	A	200
Peak charge / discharge current		700 A for 200 us
Depth of discharge (DoD)	%	95
Cycle life	cycles	6000
Max. expandable energy	Wh	768000
Max. parallel units		48
General data		
Dimensions (W x H x D)	mm	440 × 894 × 265
Weight	kg	120
Installation		Floor-standing
Max. operating altitude	m	<2000
Ingress protection (IP rating)		IP20
Operating temperature, charging	°C	0 – 60
Operating temperature, discharging	°C	–20 – 60
Storage temperature	°C	–20 – 60
Suggested storage temperature	°C	–10 – 35
Cooling		Natural convection

Parameter	Unit	HOPE 16.0LM-A1
Warranty	years	5 – 10
Communication		
Communication interfaces		CAN; RS485
Certifications		
Certifications and standards		CE (EMC); UN38.3; MSDS; RoHS; IEC 62619

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
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