

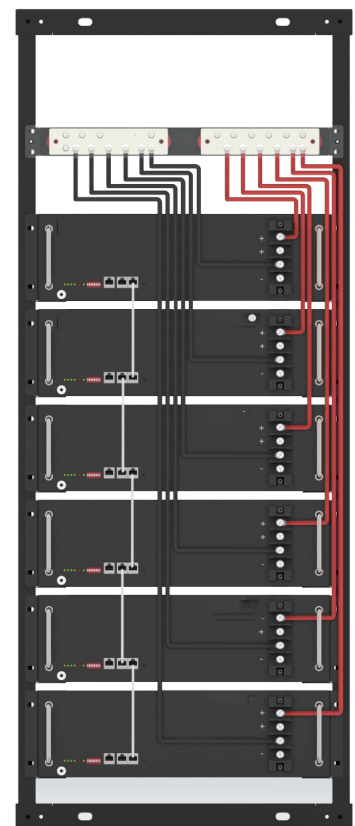
SDC10-Box5/ABM10-Box5



Low Voltage Battery
5.12 kWh

Product Features

- **Safe and stable**
Unit-level monitoring and long-cycle LFP cells, safe operation of 10+ million sets on the network.
- **Multiple installation methods**
Support 19, 23-inch rack/wall/stacked combined installation.
- **Wide compatibility**
BMS pre-installs 10 mainstream inverter protocols to support customized protocol development.
- **Easy to extend**
Modular design, flexible expansion, up to 20 groups of parallel combination.




SDC10-Box/ABM10-Box

Parameters

- SDC10-Box/ABM10-Box series battery pack is a 51.2V battery system, using 19" standard rack design, with mounting accessories to support a variety of installation methods (rack, wall-mounted and stacked combined installation).

An SDC10-Box/ABM10-Box battery pack system contains 1~10 SDC10-Box5/ABM10-Box5 battery modules in parallel, capacity between 5 and 50kWh (available). By paralleling multiple SDC10-Box5/ABM10-Box5 battery pack systems, systems up to 100kWh can be formed.

Battery Model	SDC10-Box5/ABM10-Box5
	
Nominal Capacity ^[1]	5.12 kWh
Output Power	4.1 kW (Recommended) 5.12 kW (Maximum)
Charging Voltage	54.0 - 56.4 V
Discharge Voltage	45.0 - 48.0 V
Nominal Voltage	51.2 V
Charge / Discharge Current	Recommended current 50 A (0.5C) Maximum current 100 A (1C)

General	
Dimensions (W / H / D)	(443±2) * (135±2) * (440±2) mm
Weight	40 ± 2 kg
Communication	Can / RS485
Installation	Floor / Wall mounting
Operating Temperature ^[2]	Charge: -5°C~+45°C; Discharge: -20°C~+50 °C; Recommended: +15°C~+35°C
Scalability	Up to 20 batteries in parallel

Safety / Standards	
Certification	UL1973(UL)、IEC62619、CE-EMC、UN38.3、CEI0-21、UKCA、VDE2510-50、IEC-EN62477
Protection Level	IP20
Compatible Inverters	Deye、Growatt (SPH/SPF) 、 Goodwe、Victron、Sofar、SMA 、 SRNE、LUX、Solis、TBB、Soruide、Megarevo、Sungrow、Afore、Sacular、SMK solar、Voltronic

[1] Test conditions: 100% DOD, 0.2Ccharge & discharge at + 25 °C

[2] -5°Cto 10 °Cwill be derating