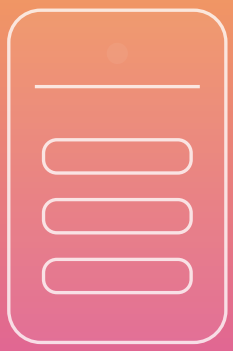
Powerlily Sample DC Battery

PL-10DC

A fictional 10.2 kWh LFP battery module with a 200 A discharge BMS and 125 A continuous charge limit for hybrid-inverter training.



POWERLILY SAMPLE EQUIPMENT

Key specifications

Total capacity	**10.2 kWh**
Usable energy	**9.7 kWh**
Discharge power	**8.96 kW**
Charge power	**5.6 kW**
Dimensions (H x W x D)	**20.5 in x 17.5 in x 6.5 in**

DC-coupled architecture

Models a battery module without an onboard AC inverter.

Hybrid-inverter workflow

Useful for teaching battery-voltage compatibility and DC-coupled system design.

Defined BMS limits

Sample BMS permits 200 A continuous discharge and 125 A continuous charge.

POWERLILY

Powerlily Sample DC Battery

PL-10DC | SAMPLE DATA

Product details	
Model number	PL-10DC
Description	Sample DC-coupled storage module with a 200 A continuous discharge BMS and 125 A continuous charge limit. Requires a compatible hybrid inverter.
Battery chemistry	Lithium Iron Phosphate
Coupling	DC-coupled
Limited warranty	10 years

Energy	
Total capacity	10.2 kWh
Usable energy	9.7 kWh
Depth of discharge	95%
Round-trip efficiency	95%

DC interface	
Minimum DC voltage	44.8 V
Maximum DC voltage	58.4 V
Continuous discharge current	200 A
Continuous charge current	125 A
Continuous discharge power	8.96 kW
Continuous charge power	5.6 kW

Mechanical data	
Dimensions (H x W x D)	20.5 in x 17.5 in x 6.5 in
Weight	104.0 lb