Powerlily Sample Three-Phase AC Battery

PL-30AC3

A fictional AC-coupled LFP cabinet with its own 15 kW, 480 V three-phase inverter for commercial storage demonstrations.



POWERLILY SAMPLE EQUIPMENT

Key specifications	
Usable energy	**29.2 kWh**
Continuous power	**15.0 kW**
Nominal AC voltage	**480 V**
Phases	**3**
Dimensions (H x W x D)	**66.0 in x 30.0 in x 28.0 in**

Integrated 3-phase inverter

Represents a complete AC-coupled storage cabinet on a 480 V three-phase service.

Self-consumption example

Sample layouts can model storage without adding backup transfer equipment.

Commercial-scale cabinet

Includes AC current, high-voltage internal DC range, and cabinet mechanical data.

POWERLILY

Powerlily Sample Three-Phase AC Battery

PL-30AC3 | SAMPLE DATA

Product details	
Model number	PL-30AC3
Description	Sample AC-coupled LFP cabinet with its own 15 kW, 480 V three-phase inverter. Pairs with 480 V three-phase PV; self-consumption examples need no backup transfer equipment.
Battery chemistry	Lithium Iron Phosphate
Coupling	AC-coupled
Limited warranty	10 years

Energy	
Total capacity	30.72 kWh
Usable energy	29.2 kWh
Depth of discharge	95%
Round-trip efficiency	90%

AC interface	
Nominal AC voltage	480 V
Phases	3
Continuous discharge power	15.0 kW
Continuous charge power	15.0 kW
Rated continuous output current	18.04 A

Internal DC data	
Minimum DC voltage	537.6 V
Maximum DC voltage	700.8 V

Mechanical data	
Dimensions (H x W x D)	66.0 in x 30.0 in x 28.0 in
Weight	800.0 lb