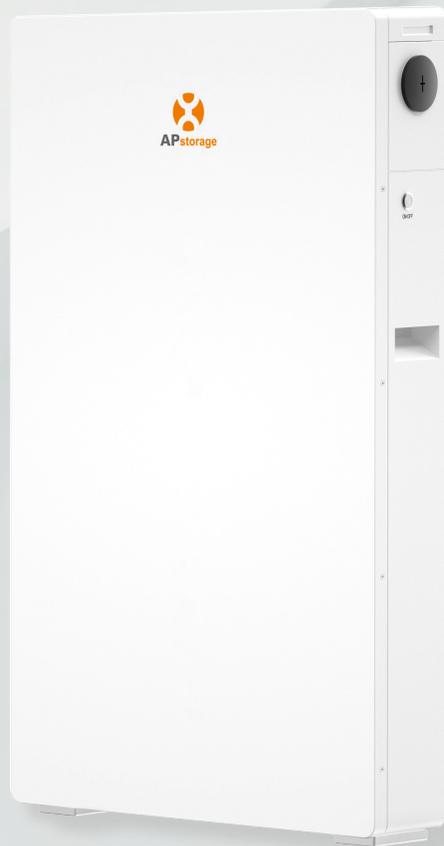# APstorage Battery

- CATL LFP Cells Inside
- Supports Charging Down to -5°C
- Automatic Parallel Configuration
- Outdoor and Indoor Application (IP65)

Features

1. Easy installation

2. Slim & modern design

3. Advanced BMS control

4. Parallel capacity up to 160 kWh

5. Black out and emergency back-up

6. Self-heating for low ambient temperatures (optional)

7. Remote monitoring with over-the-air updates(optional)

Datasheet | APbattery-51.2V/10.24kWh-U

Model	APbattery-51.2V/10.24kWh-U
Region	**NA**

General Specifications

Rated Capacity	200Ah
Rated voltage	51.2V
Rated Energy	10.24 kWh
Max.Parallel Quantity	16 Sets in Parallel, 163.84 kWh
Rated Charging / Discharging Current	0.6C, 120A
Max.Discharge Continuous Current	0.6C, 120A
Battery Max.Charge / Discharge Powe	6.14kW/6.14kW
Peak Discharge Current Power	160A/8.19kW, 1min.
Available SOC Range	0%~100% 90% DOD is recommended
Dimensions	Width: 550 (±5) mm / 21.7 in, Depth: 165 (+5) mm / 6.50 in, Height: 1000 (±5) mm / 39.4 in
Weight	~ 213.8 lbs
Operating Temperature[1]	Charging Temperature: 23°F ~ 131°F Discharge Temperature : 5°F ~ 131°F
Storage Temperature[2]	5°F ~ 131°F
Working Humidity	5~95% RH (Non-Condensing)
Altitude	≤ 6561ft
Communication	CAN / RS485 / Dry Contact / WiFi (WiFi Stick Optional)
Certifcation	UL9540A, UL1973, UN38.3
Cycle Life	6000 Cycles
Designed Calendar Life	15 Years, Working Condition 0.5 C @ 25 deg C, 80% DoD, 1 cycle per day
IP Rating	1P65
Cooling	Natural Cooling
Heating Power	230.4 W
Environment Protection Standard	RoHS

[1] Recommended Operating Temperature: 50°F ~ 86°F
[2] Recommended StorageTemperature: 50°F ~ 86°F