PRODUCT DATASHEET

160kWh High-Voltage LFP Battery Cabinet

512V / 314Ah / 160.768kWh rated energy



COMMERCIAL & INDUSTRIAL ESS

314Ah
Rated capacity

512V
Nominal DC voltage

160.768kWh
Rated energy

Air cooling
Thermal management

Cell chemistry / cell rating	LiFePO4 / 3.2V, 314Ah
Cell arrangement	160S1P
Operating voltage range	448-584V
Standard charge / discharge current	60A / 150A
Maximum charge / discharge current	250A / 250A
Operating temperature	-20 to 60 deg C
Operating humidity	65 +/- 20% RH
Communication	CAN / RS485 / Wi-Fi
Operating noise	<=55dB
Cycle life	6000 cycles (0.5C, DOD >=80%)
Cabinet material	Steel
Approximate weight	1100kg
Dimensions (L x W x H)	1067 x 854 x 1826mm

Energy calculation: 512V x 314Ah = 160.768kWh (160kWh product class).

Operating settings must match the configured BMS and compatible PCS.
Refer to the technical specification and confirm project operating limits with PVBAT.