

100 kWh

Energy Storage System

50 kW rated AC power

An integrated 100 kWh LFP battery system with 50 kW power conversion, air-conditioned battery temperature control, solar input and a generator interface.

Integrated LFP storage

100 kWh rated battery energy in one cabinet for commercial and industrial use.

Air-conditioned battery system

Dedicated battery temperature control, with intelligent cooling for the PCS.

Solar input

100 kW maximum PV input with 4 MPPT channels for solar integration.

Generator interface

Diesel generator connection with on-grid and off-grid AC operation.

100 kWh

50 kW Energy Storage Cabinet



LFP battery platform
100 kWh rated battery energy.

Integrated PV input
100 kW maximum PV input.

AC power conversion
50 kW rated AC power.

Battery parameters

Battery chemistry	LFP (LiFePO4)
Rated energy	100 kWh
Rated capacity	314 Ah
Nominal voltage	320 V

PV input

Maximum PV power	100 kW
Maximum PV voltage	850 V DC
MPPT voltage range	200-800 V DC
Maximum PV input current	40 A
MPPT channels	4

AC parameters - on-grid

Rated power	50 kW
Rated AC voltage	400 / 230 V AC (3L / N / PE)
Rated frequency	50 / 60 Hz
Maximum AC current	75 A

AC parameters - off-grid

Rated power	50 kW
Rated AC voltage	400 / 230 V AC (3L / N / PE)
Rated frequency	50 / 60 Hz
Maximum AC current	75 A
Switching time	<20 ms
Parallel number	12

System parameters

Diesel generator port	Yes
Communication interfaces	RS485 / Wi-Fi
Ingress protection	IP54
Fire protection system	Yes
Operating temperature	-10 to +50 °C
Humidity range	5-95%
Altitude	<2,000 m
Battery cooling	Air-conditioning
PCS cooling	Intelligent cooling
Dimensions (W x D x H)	740 x 1348 x 2350 mm
Weight	1,150 kg