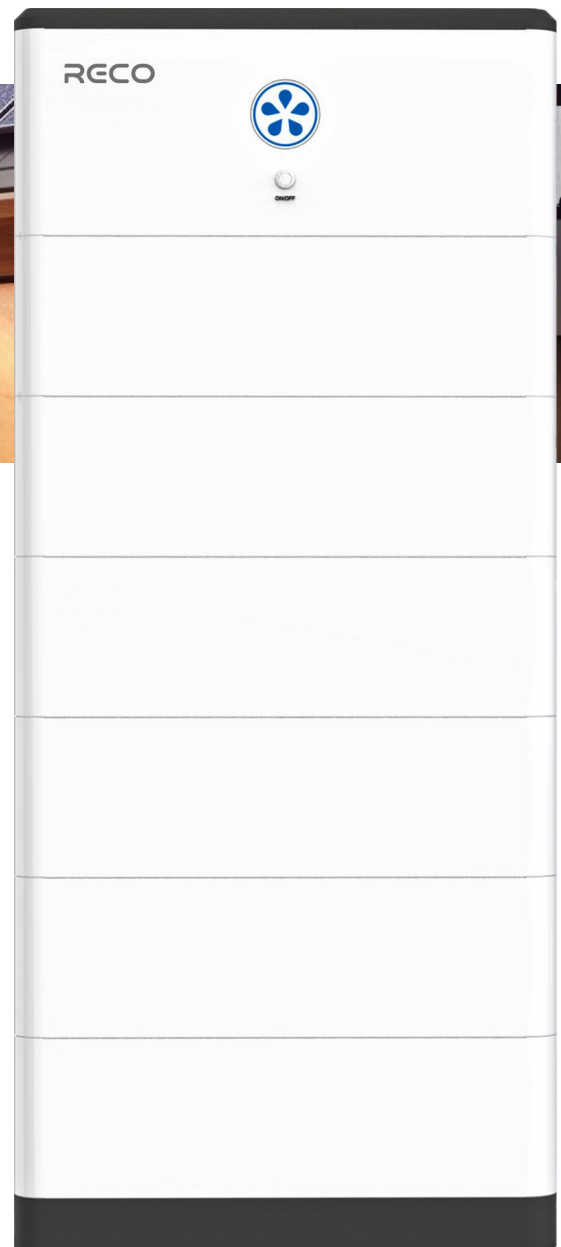


RES-2.5K3~6

Battery Energy Storage System

High Voltage | 7.5kWh / 10kWh / 12.5kWh / 15kWh



Flexible applications

- Each battery 2.56kWh, scalable to 15.36kWh
- Applicable to single-phase and three-phase high-voltage hybrid inverters

Safety and reliable

- LiFePO4 prismatic battery cell, high safety
- Secured by integrated superior vehicle-level BMS

High performance

- High power emergency-backup when outage
- IP65 for both indoor and outdoor installation

Easy installation

- Compact and light, quick installation and configuration
- Prefabricated cables and connectors for plug and play

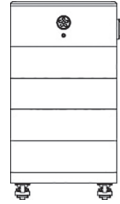
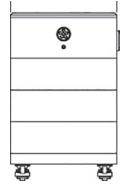
Technical Data

RES-2.5K3

RES-2.5K4

RES-2.5K5

RES-2.5K6



Battery Module

Cell type	LFP (LiFePO4)
Battery capacity	2.56 kWh
Cell capacity	50 Ah
Depth of discharge	93%
Dimensions (WxDxH)	512x460x150 mm
Weight	28.5 kg

General Data

Battery quantity	3 + BMS	4 + BMS	5 + BMS	6 + BMS
System capacity	7.68 kWh	10.24 kWh	12.80 kWh	15.36 kWh
Rated voltage	153.6 V	204.8 V	256 V	307.2 V
Voltage range	129.6~170.4 V	172.8~227.2 V	216~284 V	259.2~340.8 V
Charging temperature	0~55°C			
Discharging temperature	-10~55°C			
Operating temperature range	-20~55°C			
Continuous charge/discharge current	25 A			
Maximum charge/discharge current	50 A			
Cycle life	≥6000 cycles (25°C, 0.5C, 70%EOL)			
SOC accuracy	<8%			
Communication	CAN			
Ingress protection	IP65			
Transportation SOC	<30%			
Cooling concept	Natural cooling			
Relative humidity	<95%, No condensation			
Maximum working altitude	2000 m			
Safety standards	CE, UN38.3, SDS, IEC62619			
Dimensions (WxDxH)	512x460x715 mm	512x460x865 mm	512x460x1015 mm	512x460x1165 mm
Weight	102.5 kg	131 kg	159.5 kg	188 kg