

## Lithium ESS Series

REKOSER lithium battery (LiFePO4) specially designed to provide energy in a safe and scalable way with a compact size and a long useful life.



### ➤ Safety

LiFePO4 lithium cells with multiple BMS protections

### ➤ Optimal Ownership Cost

Long cycle life and superior performance

### ➤ Easy Installation

Rack module design

### ➤ Easy to Scale Up

Up to 16 parallel modules

### ➤ Compatibility

Compatible with most popular inverter brands

## Specifications

| Model                  |                                  | RKL48-50R  | RKL48-100R  | RKL48-150R  | RKL48-200R  |
|------------------------|----------------------------------|--|-------------|-------------|-------------|
| Voltage (Vdc)          |                                  | 48   | 48          | 48          | 48          |
| Rated capacity (Ah)    |                                  | 50   | 100         | 150         | 200         |
| Energy (kWh)           |                                  | 2.4  | 4.8         | 7.2         | 9.6         |
| Dimension (mm)         |                                  | 442x133x400  | 442x133x440 | 442x190x540 | 442x245x480 |
| Weight (kg)            |                                  | 23   | 42          | 56          | 78          |
| Charge current (A)     | Recomended                       | 10   | 20          | 30          | 40          |
|                        | Maximum                          | 50   | 100         | 100         | 100         |
| Discharge current (A)  | Recomended                       | 25   | 50          | 75          | 100         |
|                        | Maximum                          | 50   | 100         | 100         | 100         |
| Communication Port     |                                  | RS485*2, CAN   |             |             |             |
| Parallel communication |                                  | 16   |             |             |             |
| Protections            |                                  | Over voltage, under voltage, short cirtuit, over load, over current, over temperature, under temperature |             |             |             |
| Cooling type           |                                  | Natural  |             |             |             |
| Temp. (°C)             | Working (charging / discharging) | 0-50 / -20/50  |             |             |             |
|                        | Storage                          | -20-50   |             |             |             |
| Altitude               |                                  | <4000  |             |             |             |
| Humidity               |                                  | 5% ~ 95%(RH) No Condensation   |             |             |             |
| IP rating              |                                  | 20   |             |             |             |
| Design life (years)    |                                  | 10   |             |             |             |
| Cycle life             |                                  | > 6000 (25°C)  |             |             |             |
| Standards              |                                  | CE   |             |             |             |

All specifications are subject to change without notice.