SRNE

NEW
BEST QUALITY

SR-Ket20/30/40/50/60A
20.5~61.4kWh
Lithium Battery Energy Storage

PRODUCT FEATURE

Tuya cloud platform

Equipped with WIFI and Bluetooth communication, it supports Tuya cloud platform and can view battery information remotely.

Triple protection

Positive Relay + Negative Relay + Breaker, Adopting redundant design to ensure control safety.

Higher safe performance and longer cycle life

Cathode material is made from LiFePO4 with safety performance and long cycle life.

Flexible Installation

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current andover-high or low temperature.The system can automatically manage charge and discharge state and balance current and voltage of each cell.

Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power.

Powered by tuya

Battery System Module	SR-Ket20A	SR-Ket30A	SR-Ket40A	SR-Ket50A	SR-Ket60A
Battery Module Qty in series	4	6	8	10	12
System Nominal Voltage (V)	204.8	307.2	409.6	512.0	614.4
System Operating Min.Voltage (V)	179.2	268.8	358.4	448.0	537.6
System Operating Max.Voltage (V)	233.6	350.4	467.2	584.0	700.8
System Energy (kWh)	20.5	30.7	41.0	51.2	61.4
System Usable Energy (kWh)	19.5	29.2	38.9	48.6	58.4
Recommend Charge/Discharge Current (A)	50/50				
Max Charge/Discharge Current (A)	70/100				
Peak Discharge (3S,25℃) (A)	80/120				
Installation Location	Rack Mounting				
Recommend Depth of Discharge	≤95%				
Cycle Life	6000 (25℃,0.5C/0.5C,EOL70%)				
Display Type	LED+Touch LCD				
Triple Protection	Positive Relay + Negative Relay + Breaker				
Number of Main Circuit Relays	3				
Heat Dissipation	Natural Cooling				
Certification	UN38.3/CE/CE-EMC				
Working Temperature (℃)	Charge:0~55℃/Discharge:-20~55℃				
Storage Temperature (℃)	0~35℃				
Communicaton Port	RS485/CAN/WiFi				
Humidity (RH)	5%~80%				
Altitude (m)	≤3000				
IP Rating of Enclosure	IP20				
Noise (dB)	<30				
Dimensions (WxDxH,mm)	776*552*976	776*552*1282	776*552*1588	776*552*1894	776*552*2200
Weight Approximate (kg)	209	305.7	402.4	499.1	595.8
Cover An Area (m*m)	0.78*0.55				

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PDU Module	SR-PDU100
Rated Voltage (V)	850
Rated Current (A)	100
Operating Voltage (V)	100~850
CAN Communication	2
Relay Control	3
LCD Screen (inch)	4.3
Breaker (A)	100
Relay (A)	150
Fuse (A)	160
Precharge Relay (A)	50
Precharge Resistance (W/Ω)	200/100
External DC input port (V)	24
Dimensions (WxDxH,mm)	577*485*150
Weight Approximate (kg)	15.6

Battery Pack Module	SR-HOC05B
Battery Type	LiFePO4
Battery Energy (kWh)	5.12
Rated Voltage (V)	51.2
Rated Capacity (Ah)	100
Recommend Charge/Discharge Current (A)	50/50
Max Charge/Discharge Current (A)	70/100
Peak Discharge (3S,25°C) (A)	80/120
Installation Location	Rack Mounting
Recommend Depth of Discharge	≤95%
Cycle Life	6000 (25℃,0.5C/0.5C,EOL70%)
Heat Dissipation	Natural Cooling
Working Temperature (℃)	Charge:0~55℃/Discharge:-20~55℃
Storage Temperature (℃)	0~35℃
IP Rating of Enclosure	IP20
Dimensions (WxDxH,mm)	603*485*140
Weight Approximate (kg)	43.6

Standard 19inch Rack	SR-Rack-13A
Dimensions (WxDxH,mm)	776*552*2200
Weight Approximate (kg)	57
Installable 12 pcs batteries and 1 pcs High Voltage Battery cluster control box	

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