

Rack



Energy Storage System



WIFI
WIFI Modem



Signal module connection
Single box can be connected in series or in parallel



OTA remote system upgrade
The system can be upgraded and expanded



Battery side APP
Simple and fast after-sales service



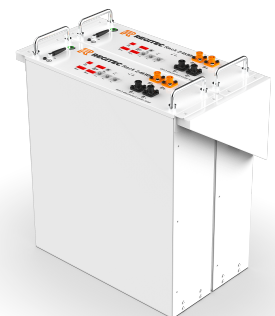
Battery registration
Mobile phone scan code



No Internet area registration
Bluetooth connection



- Assembly freely in series or parallel Up to 8S8P (409.6V 163.2kWh)
- High energy efficiency (charge and discharge) > 97%
- High Rate Charge & Discharge current
- More Safety Dual hardware & Triple software protection
- Safe and Reliable BMS Relay design instead of mosfet
- Long Life Reliable LFP cells,Cycle life >6000 cycles
- High Reliability Key devices (Relay,Fuse) approved by UL and IEC
- Smart Design & Easy installation Plug in & off
- Fanless,more quiet and reduce the risk of fan failure



| Model | Rack 2.4kWh | Rack 5.1kWh |
|---------------------------------------|---|--------------------|
| Nominal Capacity | 2.4kWh | 5.1kWh |
| Usable Capacity | 2.2kWh | 4.8kWh |
| Nominal Dis-/Charge Power | 1.2kW | 3kW |
| Peak Power(Only Discharge) | 3kW for 3 seconds | 6 kW for 3 seconds |
| Constant Current(Only Discharge) | 40 | 80 |
| Nominal Current | 30 | 60 |
| Dimension[W*H*D] (mm) | 442*133*500 | 442*135*500mm |
| Weight (Kg) | 27,5kg | 45kg |
| Max. Connection Number | 8S/8P | 8S/4P |
| Voltage | 48-56V DC | |
| Nominal Voltage | 51.2V DC | |
| Max. Charge Voltage | 57.6V | |
| Max.recommended DOD | 90% | |
| Operating Condition | 20-60%(No condensed water) | |
| Operating Temperature | Charge | From 0-50C |
| | Discharge | From -10-55°C |
| WIFI Frequency Range | 2400MHz~2483MHz | |
| Communication Protocol/Connector Type | CAN/RS485 | |
| Humidity | 20-60%(No condensed water) | |
| Over Voltage Category | II | |
| Cooling Type | Natural cooling | |
| Case Material | Metal | |
| Installation | Cabinet/Wall mounting/Ground Installation | |
| IP rating | IP20 | |
| Protective Class | I | |
| Warranty | 10 years | |
| Protection Mode | Dual hardware protection | |
| Battery Protection | Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature | |
| Certification | CE/TUV(IEC 62619, IEC 62040)/UN38.3 | |
| Hazardous Material Classification | 9 | |

* Testing conditions based on temperature 25°C

* Nominal Energy/Usable Energy measured under specific conditions from REGITEC 0.2C CC-CV

| Index | Series connection | | | | | | |
|--|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2 Modules | 3 Modules | 4 Modules | 5 Modules | 6 Modules | 7 Modules | 8 Modules |
| Rack 2.4kWh Nominal Battery Capacity [Ah] | 96 | 144 | 192 | 240 | 288 | 336 | 384 |
| Rack 5.1kWh Nominal Battery Capacity [Ah] | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
| Nominal Voltage (V) | 102.4 | 153.6 | 204.8 | 256 | 307.2 | 358.4 | 409.6 |
| Rack 2.4kWh Nominal Battery Capacity [kWh] | 4.8 | 7.2 | 9.6 | 12 | 14.4 | 16.8 | 19.2 |
| Rack 5.1kWh Nominal Battery Capacity [kWh] | 10.2 | 15.3 | 20.4 | 25.5 | 30.6 | 35.7 | 40.8 |

