

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



Technical specifications



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						
Battery Modules	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

