

RACK



REGITEC

Energy Storage System 20~76.8kWh



Scalable up to 307kWh (4P15S)



High inverter
Compatibility



Quality LFP cells



WiFi communication



OTA remote system upgrade
The system can be upgraded
and expanded



>15 Years life span

- High rate charge & discharge current
- More safety triple hardware & dual software protection
- Safe and reliable smart BMS
- Long life reliable LFP cells, cycle life >6000 cycles
- High reliability key devices approved by TUV and IEC
- Smart design & easy installation
- Fanless, more quiet and reduce the risk of fan failure



Model (kWh)	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44	66.56	71.68	76.8
Nominal capacity (kWh)	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44	66.56	71.68	76.8
Usable capacity (kWh)	21.38	23.04	27.65	32.26	36.86	41.47	46.08	50.69	55.3	59.9	64.51	69.12
Nominal battery system voltage (V)	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4	665.6	716.8	768
System Operating Voltage (V)	172.8~233.6	216~292	259.2~350.4	302.4~408.8	345.6~467.2	388.8~525.6	432~584	475.2~642.4	518.4~700.8	561.6~759.2	604.8~817.6	648~876
Single RACK specifications												
Nominal capacity (kWh)	5.12											
Usable capacity (kWh)	4.61											
Nominal battery system voltage (V)	51.2											
Battery system working voltage range(V DC)	43.2~58.4											
Capacity (Ah)	100											
Charge/Discharge Current (A)	Recommend	50										
	Nominal	50										
	Peak discharge (2 min,25°C)	100										
Max. recommended DOD	90%											
Operating condition	Up to 90% (non- condensing)											
Operating temperature	Charge (°C)	0~45										
	Discharge (°C)	-10~50										
Communication port	CAN / RS485											
Max. operation altitude	≤2000											
IP rating	IP20											
Protective class	I											
Protection Mode	Triple hardware protection											
Battery Protection	Over-voltage / Over-current / Under-voltage / Short circuit											
Dimension (mm)	435W*545D*178H											
Weight (kg)	53.5											
Warranty	10 years											
HV-Box specifications												
Dimension (mm)	435W*545D*178H											
Weight (kg)	15.5											

* Testing conditions based on temperature 25°C

* Nominal Energy/Usable Energy measured under specific conditions from REGITEC 0.5C CC-CV

* Specifications are subject to change without further notification

RACK for 10 batteries + 1 HV box (51.2kWh)	
Dimensions (mm)	530W*560D*2280H
Weight (kg)	65



RACK for 15 batteries + 1 HV box (76.8kWh)	
Dimensions (mm)	1022W*545D*1610H
Weight (kg)	110

