

Energy Storage System 50kW/100kWh



Scalable up to 500kWh
10 (Parallel)



Can work together with
an existing solar installation



Quality LFP cells



Peak shaving



Spot market and
imbalance trading ready



Energy saving

- Pre-assembled design, easy to install
- Higher system efficiency
- EMS with display build in already
- High reliability key devices approved by TUV and IEC
- Climate controlled battery system
- Multi level battery protection
- Fire suppression system

Model		C&I 50kW/100kWh
Nominal Capacity		101kWh
Usable Capacity		91kWh
Nominal Power		50kW
Peak Power		55KVA
Maximum Current		80A
Nominal Current		72.3A
Total Harmonic Distortion		<3% (at nominal power)
Nominal Grid Voltage		230/400V, 3L+N+PE
Nominal Grid Frequency		50/60Hz
Power Factor Range		1 leading ... 1 lagging
Voltage range		739~ 950V DC
Nominal Voltage		845V DC
Nominal Current		120A DC
Max.recommended DOD		90%
Operating Temperature	Charge	From 0~45°C
	Discharge	From -20~50°C
Operating Condition		4~95%(No condensed water)
Anti-corrosion Level		C3
Communication Protocol/Connector Type		CAN / RS485
Max. Operation Altitude		<4000m*
Cooling Type		Air conditioned cooling
Dimension[W*H*D] (mm)		1200*1000*2200mm
Weight (Kg)		1250kg
Installation		Ground Installation
IP rating		IP54
Warranty		10 years*
Max. Connection Number		10 in Parallel
Case Material		Metal+Plastic
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage
Certification		IEC 61000,EN 62477-1,EN 50549-1, C10/11, NRS 097-2-1, VDE VDE 4105:2018, VDE 0124-100:2020-06, G99 Issue 1 A.10

* 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

