## **C&I** REGITEC **Energy Storage System** 50kW/100kWh



Scalable up to 500kWh 10 (Parallel)





Can work together with an existing solar installation

imbalance trading ready

Spot market and



\$

Quality LFP cells

Energy saving

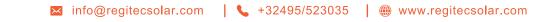
Peak shaving

• 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

REGITEC

• Fire suppression system



## **Technical specifications**



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	Charge	From 0~45°C
Temperature	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

