

## 8 Technical Data

Power Battery	5.0	7.5	10.0	12.5	15.0
<b>ELECTRICAL PARAMETER</b>					
Nominal capacity* <sup>1</sup>	5.0 kWh	7.5 kWh	10.0 kWh	12.5kWh	15.0 kWh
Usable Capacity(90%DOD)	4.5 kWh	6.75 kWh	9.0 kWh	11.25kWh	13.5 kWh
Voltage range* <sup>2</sup>	145.4 V ... 165.6 V	218.2 V ... 248.4 V	290.9 V ... 331.2 V	363.6 V ... 414.0 V	436.3 V ... 496.8 V
Nominal voltage	153.6 V	230.4 V	307.2 V	384 V	460.8 V
Maximum charge/discharge current* <sup>3</sup>	25A/25A	25A/25A	25A/25A	25A/25A	25A/25A
Max. Charge power	3840 W	5760 W	7680 W	9600 W	11520 W
Max. Discharge power	3840 W	5760 W	7680 W	9600 W	11520 W
Depth of discharge	Max. 100% DOD settable				
Standby consumption	< 5 W				

### Interface

Power Storage interface	CAN
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### General

Battery technology	LiFeP04				
Dimensions (H*W*D)	598*345*345mm (1.96'x1.13'x1.13')	828*345*345mm (2.72'x1.13'x1.13')	1058*345*345mm (3.47'x1.13'x1.13')	1288*345*345mm (4.23'x1.13'x1.13')	1518*345*345mm (4.98'x1.13'x1.13')
Weight (single stack 25.2 kg(55.5 lb))	56.4kg (124.3 lb)	81.6kg (179.9 lb)	106.8kg (235.5 lb)	132kg (291.0 lb)	157.2kg (346.6 lb)
Number battery stacks	2	3	4	5	6
Enclosure type	IP65				
Type of installation	Floor stand / Indoor or Outdoor				
Operating temperature range* <sup>4</sup>	-18°C ~ +55°C (-0.4 °F ~ 131 °F)				
Optimum operating temperature Range	0°C ~ + 45°C (32 °F ~ 113 °F)				
Storage Temperature Range * <sup>5</sup>	-20°C ~ + 45°C (-4 °F ~ 113 °F)				
Connector type	Quick Connector				
Warranty	10 years				
Country of manufacture	China				

### SAFETY /STANDARDS \*<sup>6</sup>

EMC	EN61000-6-1, EN61000-6-3, FCC Part 15B
Safety	UL1973, UL9540A, EN/IEC 62619, IEC 60730, IEC63056
Certificates	CE, EN/IEC 62040, IEC 62477, UN 38.3

\* 1: Nominal Energy, test conditions: 0.3C charge & discharge at +25 °C.

\* 2: When the temperature is -18°C to 0°C, the cell protection voltage is 2.55V.

\* 3: Depend on the max. battery charge/discharge current of the inverter.

\* 4: When the ambient temperature is 50°C, the current will be 7.5A. When the ambient temperature is 55°C, the current will be 2A.

\* 5: Storage Temperature Range: -20°C to + 45°C, within 6 months; -30°C to + 60°C, within 7 days.

\* 6: Further certificates: [www.rct.power.com](http://www.rct.power.com).