

## First Solid-State Lithium-ion Battery ESS

### RT5120

- Higher Safety Protection
- Faster Dis/Charging Speed
- Smart APP Monitoring
- High Inverter Compatibility
- Intelligent Built-in BMS
- 16pcs Connections in Parallel



## FEATURES



**6000**

Cycle Life@25°C



**Solid-State**

LFP Battery Cells



**5.12kWh**

Capacity



**1.5C**

Discharging Rate



**7680W**

Peak Power



**Increase 8%**

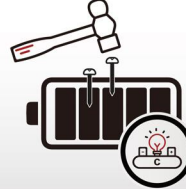
Energy Density



The test of drill



The test of shear

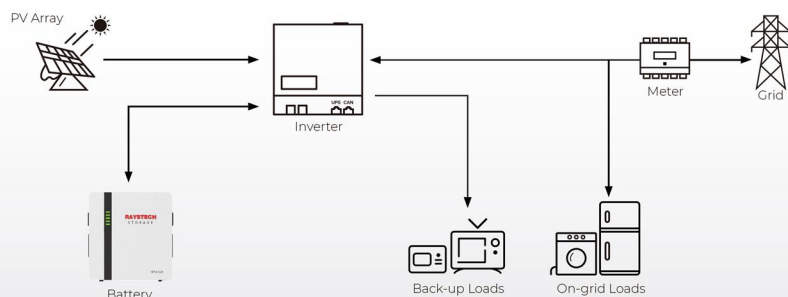


The test of acupuncture



The test of squeeze

## APPLICATION



## Technical Specifications

Product Type		RT5120
Total Energy*		5.12kWh
Battery Capacity		50Ah+50Ah
Max.recommended DOD		93%
Max Charge Power		5.12kW
Max Discharge Power		7.68kW
Peak Current(Only Discharge)		400A
Voltage		48~56Vd.c
Nominal Voltage		51.2Vd.c
Nominal Charging Current		80A
Nominal Discharging Current		100A
Max Charging Current		100A
Max Discharging Current		150A(1.5C continuous)
Max. Charge Voltage		55.6Vd.c
Weight( N.W.)		46kg
Dimension(mm)(L*W*H)		530*480*165mm
Operating Condition		Indoor
Operating Temperature	Charge	From 0~50 C
	Discharge	From -10~55 C
WIFI Frequency Range		2400MHz~2483MHz
Humidity		<60%(No condensed water)
Over Voltage Category		II
Cooling Type		Natural cooling
Installation		Wall mounting/Ground Installation
IP rating		IP 20
Protective Class		I
Max. Connection Number		16P
Communication		CAN/ RS485
Protection Mode		Dual hardware protection
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety	Cell UL 1973	
	CE/TUV	
Hazardous Material Classification		9
Transportation		UN 38.3
Product Warranty		10 years warranty, 6000 cycles life All information contained in this document is subject to change without notice 1)For better battery life cycles,we suggest charge in 50A(0.5C @25°C) 2)For better battery life cycles,we suggest discharge in 50A(0.5C @25°C) 3)Peak Current excludes repeated short duration (less than 100ms) of current pattern.

Testing conditions based on temperature 25 C at the beginning of life.

\*Total Energy/Usable Energy measured under specific conditions from RAYSTECH 0.5C CC-CV.

### Compatibility

DEYE/MAGAREVO/LUXPOWER/Voltronic/Victron/Sofar/Solis/Goodwe/INVT/Thinkpower/TBB/Sermatec/Growatt/Afore/SMA/Solinteg/Sol-ark/AISWEI/EPEVER