

## First Solid-State Lithium-ion Battery ESS

# RT5120

- Higher Safety Protection
- Faster Dis/Charging Speed
- 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



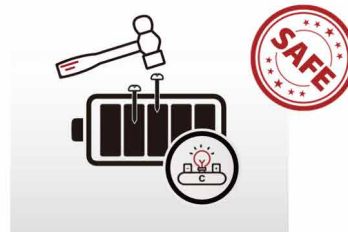
**Increase 8%**  
Energy Density



The test of drill



The test of shear

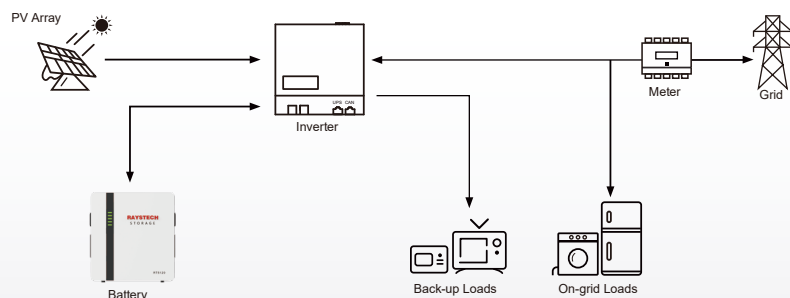


The test of acupuncture



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
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)
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 ℃
	Discharge	From -10~55 ℃
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

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

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

### Compatibility

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