



Store and Use Your Own Energy with **RESU 6.4 EX**

36Wh/l 144Wh/l

World No.1 Energy Density

144Wh/l

Compact Size & Light Weight

Easy to Handle, Space Saving

Installation Friendly

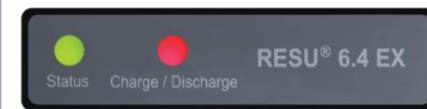
Quick & Easy Installation

Scalable System



Safety Enhanced

Self-diagnostic Battery Management



Role of the LED

	Status LED	Charge/ Discharge LED
● Red	Stand by	Charge
● Green	Operation	Discharge
● Red Blink	Warning/Fault	

Product Concept

Main Pack: 6.4 kWh



Expansion Pack: 6.4 + 3.2 + 3.2 kWh
- Expansion up to 2 packs



Key Spec & Schedule

Key Spec

	Main Pack	Expansion Pack
Energy	6.4 kWh	3.2 kWh
Nominal Voltage	51.8V	51.8V
Voltage range	46.9 ~ 58.1 V	
Nominal Charge / Discharge	1/3CP (1cycle/1day, @25°C)	
Max Current	110A (derating applies according to temp.)	
Dimension (W x H x D) mm	406 x 664 x 165	230 x 664 x 165
Weight (Expected)	65 kg	35 kg

Schedule

- Mass Production : Apr. 6th '15

RESU 6.4 EX

	RESU 6.4 EX(14S4P)
Nominal Voltage (V)/ Voltage rang (V)	51.8 / 45.2 ~ 58.1
Nominal Capacity(Ah) CC/CV Mode(Cutoff : 0.05C)	126Ah (0.3C)
Nominal Energy (kWh)	6.4kWh (0.3C)
Dimension (mm) [Width x Height x Depth]	406 x 664 x165
Weight (kg)	65kg
Max Discharge Current (A)	110A (TBD)
Nominal Discharge Current (A)	0.3C
Nominal Charge Current (A)	0.3C
Peak Power (W) (25°C/77°F)	5kW
Faradic Charge Efficiency (25°C/77°F)	99%
Battery Roundtrip Efficiency (C/3, 25°C/77°F)	95%
Expected Lifetime at +25°C(+77°F)	>10y
Cycle life (90% DOD; +25°C/+77°F)	6000 cycle (EOL 60%)
Available Operating Temperature	0~40°C As the degradation of battery product is accelerated in high temperature, it is not recommended to store battery modules over 40°C
Optimal Operating Temperature	15~30°C
Storage Temperature	-30~50°C
Cooling	Natural Convection
Interface	CAN Communication
Cell Safety	IEC 62133
Pack Safety (Certification)	IEC62619
United Nation Class	UN 3480
Hazard Classification	Class 9
Transportation Regulation Compliance	UN 38.3
Protection Class	IP 21