

SECU-A Series Low Voltage



GoodWe's SECU-A Series is a low voltage lithium battery, which is made from safe and durable lithium iron phosphate. The battery follows a modular design, making it extendable. As a plug and play device, it can be installed easily and quickly. Thanks to the safety design, the batteries can be connected together in parallel. This battery is also environmentally friendly, bringing you safety, comfort, while doing your bit for the environment.

- Safe & Reliable
- Long Lifespan
- Plug & Play
- Environmentally Friendly
- Expandable Modular Design

Model	SECU-A5.4L
Battery Type	LiFePO ₄
System Weight	49kg
Dimensions (W x D x H)	400x226.2x484.2mm
Protection	IP20 (indoor)
Warranty	10 years (performance warranty)
Installed Capacity	5.4 kWh
Usable Energy	4.8 kWh
DoD	90%
Nominal Voltage	51.2 V
Operating Voltage Range	48 ~ 57.6 V
Internal Resistance	≤ 20 mΩ
Electrical	
Max. Charge Current	50A
Max. Discharge Current	50A
Operating Temperature Range	-10°C ~ 50°C*
Humidity	15% ~ 85%
System Configuration	
Module Connection	6 Parallels
Capacity Range	5.4 / 10.8 / 16.2 / 21.6 / 27 / 32.4 kWh
Usable Energy Range	4.8 / 9.6 / 14.4 / 19.2 / 24 / 28.8 kWh
Max. Charge Current	50A (1 Module) / 100A (2~6 Modules)
Max. Discharge Current	50A (1 Module) / 100A (2~6 Modules)
Monitoring Parameters	system voltage, current, cell voltage, cell temperature, PCBA temperature
Communication	CAN
Certification	CE, UN38.3

* Do not charge batteries when temperature is below 0°C. Batteries start derating when the temperature is above 40°C.