

The logo for GoodWe, featuring the word "GOODWE" in a bold, red, sans-serif font.

# SECU-S Series

(North America Only)  
High Voltage Battery

The GoodWe SECU-S Series is specially designed for high-voltage storage systems. This superior battery, unique in its class, comes with an expandable modular design that allows for quick and easy O&M. Thanks to its NEMA 4X/IP65 protection degree, it can be mounted either indoors or outdoors. It is very space-efficient and offers customers increased choices and flexibility (up to eight pieces connected in series). It is made from Lithium iron phosphate, the safest battery cell technology and has a high charging rate, ensuring superb performance and long lifespan.



Safe & Reliable



Charge Your Battery within ONE HOUR



Up to 8 modules in series



Flexible Installation

Technical Data	SECU-S13	SECU-S15	SECU-S18	SECU-S20
Rated Energy*	12.80 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable Energy*	11.52 kWh	13.83 kWh	16.13 kWh	18.43 kWh
Battery Module	SECU-S2.5: 51.2V 50Ah 2.56kWh 37kg			
Number of Modules	5	6	7	8
Cell Type	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)	LFP (LiFePO4)
Cell Configuration	80S1P	96S1P	112S1P	128S1P
Rated Voltage	256 V	307.2 V	358.4 V	409.6 V
Operating Voltage	240~280 V	288~336 V	336~392 V	384~448 V
Weight	200 Kg	237 Kg	274 Kg	311 Kg
Dimensions (W × D × H)	610 × 236 × 1970 mm	610 × 236 × 2270 mm	610 × 236 × 2570 mm	610 × 236 × 2870 mm
Depth of Discharge (DoD)	90%	90%	90%	90%
Max Charge/Discharge Current*	50A (1C)	50A (1C)	50A (1C)	50A (1C)
Rated Power*	12.80 kW	15.36 kW	17.92 kW	20.48 kW
Communication	CAN	CAN	CAN	CAN
Operating Temperature	Charge: 0~50°C/Discharge: -20~50°C			
Humidity	≤90%	≤90%	≤90%	≤90%
Operating Altitude	≤2000 m	≤2000 m	≤2000 m	≤2000 m
Protection Degree	Type 4X* (Outdoor / Indoor)			
Installation Location	Wall-Mounted / Ground-Mounted			
Certification	UL1642, UL1973, FCC, UN38.3			

Rated Energy\*: Test conditions, 100% DoD, 0.5C charge & discharge at +25±3°C.

Usable Energy\*: Test conditions, 90% DoD, 0.5C charge & discharge at +25±3°C.

Max Charge/Discharge Current\*/Rated Power\*: Max Charge/Discharge and power derating will occur related to Temperature and SOC.

Type 4X\*: Same as NEMA 4X or IP65.