



WECO LOW VOLTAGE 14K3 LV

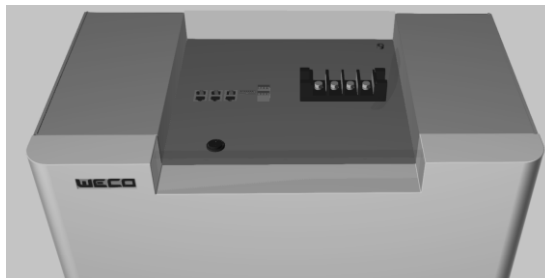


Lithium Energy Storage System

14K3
LV

SINGLE MODULE

14K3



Basic Parameters	14K3 LV
Chemistry	LiFePO ₄
Battery System Capacity	14,3 kWh
Single Module Nominal Voltage	51.2 V
Application	Low Voltage [Parallel]
Modules Expandibility	15 in parallel [recommended up to 5]
Max Cluster Gross Capacity	15 x 14.3 kWh (214,5 kWh)
Voltage Operating Range	45,5 – 57.8 V
Capacity	280 Ah
Depth of Discharge	Up to 90%
Usable Capacity	252 Ah [DoD 90%]
Dimension	W560xH1030xD327 mm
Weight	100 kg
Charge/Discharge Current	140 A [0.5 C]
Over-Current Step 01	250 A (30 sec)
Communication Port	RS485, CAN, 232, (Optional: Wi-Fi Device)
Discharge Temperature	-20 ~ 55 °C
Charge Temperature	-7 ~ 55 °C
Shelf Temperature	-10 ~ 50 °C
Relative Humidity	5% ~ 95%
Altitude	< 3000 m [Max 4000 m with de-rating]
Expected Life @ STC [25°C]	> 8000 Cycles – Residual Capacity 70%
Standards	IEC 61000/CE/UN38.3
Other Features	Pre-Charge, Fuse, and Auto Contactor; 3 Levels of Protection; Real Time Balancing; Adaptive Charge/Discharge CAN Logic; 3 Steps Adaptive Charging Logic; 2x programmable DI/DO; Mobile APP for Remote Monitoring/Control/Update/Debug/Data Save.

CERTIFICATIONS



WECo

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