



# AELIO-B100-AU

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Battery Type	280Ah (LFP) Cell
Configuration	TBMS-R15*1 + TB-HR140 *7
Nominal Voltage	358.4 V
Operating Voltage Range	296.8 V~408.8 V
Battery Module (1P8S*2=1 Module)	7 Module
Rated Capacity	280 Ah
Total Storage Energy	100 kWh
Usable Energy 90%DOD	90 kWh
Max Charging/Discharging Power	50.2 kW
Nominal Current	140 A
Maximum Charging Current	140 A
Maximum Discharging Current	140 A
Cycle Life (90% DOD)	6000 Cycles
Communication Interfaces	CAN
Battery Roundtrip Efficiency (0.2C, 25°C /77F)	0 ~ 95%
Charge/discharge Temperature Range	0°C to 53°C (charge) (Battery Module) -20°C to 53°C (discharge) (Battery Module) -30°C to 53°C (charge/discharge) (Battery Cabinet)
Storage Temperature	-20°C to 50°C (3 months) 10°C to 40°C (1 year)
Dimension (W × H × D)	1020 × 2300 × 1140 mm
Weight	1500 kg
Installation Type	Rack level package
Enclosure Protection	IP55
Cooling Type	Air cooling
Altitude	Below 3000 m
Warranty	10 years (Battery)

\*Manufactured in China