

Lithium-ion battery – Data sheet – A1845-M

Battery Specifications

General Specifications

Cell Configuration	7S19P
Nominal Voltage	25.2V
Nominal Capacity (at 20°C, 1C)	45.6Ah
Operating Voltage	21V to 29.4V
Cycle Life (20±5°C, 0.5C, 100% DOD)	>1000 cycles
Terminal	M6

Mechanical Specifications

Width	228mm
Height	190mm
Length	168mm
Net Weight	5.67kg

Operation Specifications

Charge

Charging Current	20A
Charging Voltage	29.4V

Discharge

Operating Current	max. 40A
Maximum Pulse Current (5 sec)	120A

Temperature

Storage Temperature	-20°C to 45°C
Charging Temperature	0°C to 45°C
Discharging Temperature	-20°C to 50°C

Safety

Safety Standard	UL1642
IP Degree	IP 60

Additional Information:

- A safety circuit which covers the following functions is included:
 - Over-charge protection
 - Over-discharge protection
 - Over-current protection
 - Temperature protection
 - Balancing (optional)
- A Display that shows the State of Charge, the Voltage and the Temperature is optional
- Fast charging is optional

Cell Specifications

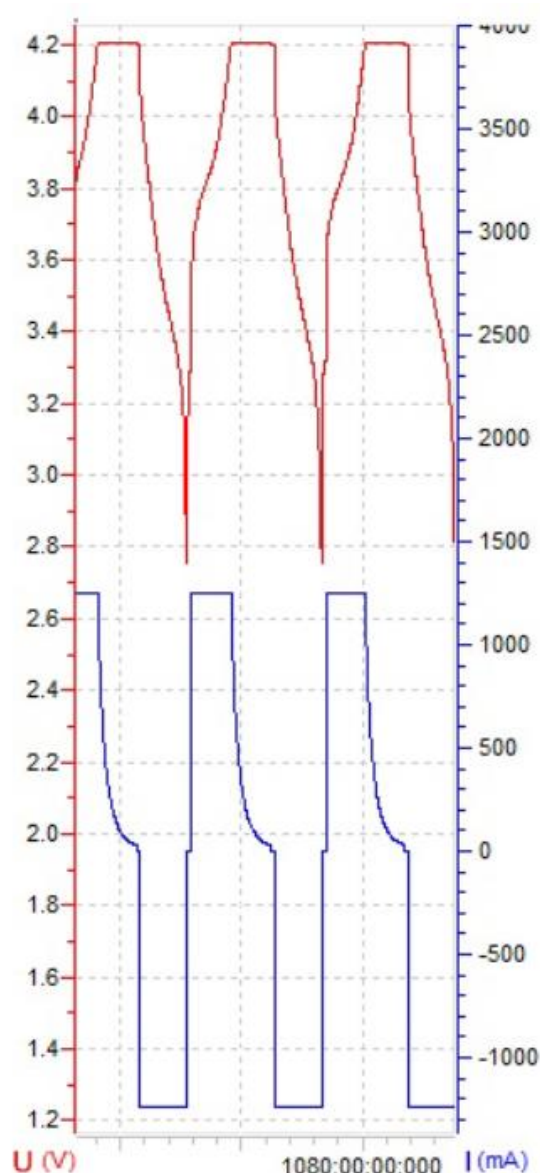
Model	18650
Chemistry	Li(NiCoMn)O ₂
Nominal Voltage	3.6V
Nominal Capacity	2.4Ah

IU Charging Regime 18650-2400mAh Cell

I: 0.5C equivalent to 1.2A

U: 4.2V at 25°C

End of charge: 0.02C equivalent to 0.048A



Charging Regime 18650 LiNMC Cell for cycle applications