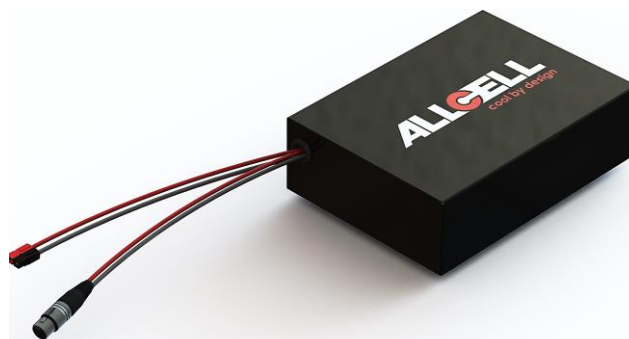




CORE 48

48V Li-ion Batteries



+ Specifications

C-4825

Nominal Voltage

47.7 V

Capacity*

25. Ah.

Nominal Energy

1196 Wh.

Size**

10.8" x 7.8" x 3.3"
(30 x 20 x 8.4 cm)

Weight

16.5 lbs. (7.5 kg)

+ Operating Specifications

Operating Voltage

32.5 ~ 54.6 V

Maximum Discharge Current
Continuous (Peak)

40 A (64 A)

Maximum Charge Current

10 A

Temperature Range***
Discharge (Charge)

-20° to 60°C
(0 to 40°C)

*Capacity measured during a constant 3-hour discharge at room temperature

**Size of pack with standard BMS option

***Power regulation required above 40°C

+ Integrated BMS Features

Standard

- Cell Balancing
- High Temperature Cutoff
- Overcurrent Cutoff
- Overcharge Protection
- Overdischarge Protection
- Short Circuit Protection

Optional

- CAN 2.0B
- Programmable Protection & Communication
- Precise State of Charge Reporting

+ System Features

- XLR charge connector
- Anderson power pole discharge connector
- Extended cycle life
- Excellent energy density

+ Integrated Thermal Management

AllCell batteries are protected by our proprietary Phase Change Composite (PCC™). The PCC absorbs waste heat ensuring uniform pack temperature, and has passed the UL 94 flammability test with V-0 rating. The result is industry leading safety with extended cycle life.



CORE

Lithium-ion Batteries

The CORE is AllCell's newest line of versatile batteries ideally suited for customers looking to avoid investing in a custom-designed solution. The clean and simple CORE packs are built with high quality components, keeping costs low while delivering premium performance. A plastic enclosure protects the pack from bumps and bruises while offering a more finished look. Every CORE battery is protected by AllCell's proprietary PCC™ thermal management material, optimizing cycle life and safety.



+ COMPACT SIZE AND WEIGHT

- Fit more amp-hours into your battery case and deliver more operating time per pound.
- AllCell batteries combine the highest quality cells with effective heat management to deliver industry leading energy density.



+ THERMAL RUNAWAY PROTECTION

AllCell's Patented PCC Thermal Management Material:

- Prevents cells from overheating
- Protects against fire and explosion
- Improves cycle life
- Minimizes customer returns



+ ADAPTABLE

CORE batteries come in several compact sizes and voltages, making them a perfect fit for a variety of motors, inverters, and duty cycles.



+ PROGRAMMABLE

An optional advanced proprietary battery management system (BMS) provides the CORE with CANbus communication capabilities to support state-of-the-art functionality and protection, including programmable operation and configurable communication parameters.



+ Safety and Shipping

AllCell's proprietary PCC™ material protects our batteries from overheating, preventing battery fires. AllCell strictly adheres to all domestic and international shipping regulations and rules and assists customers with UN/IATA certification, hazardous materials regulations, and training. AllCell's PCC™ has passed the UL 94 V-0 flammability test.

