

## V102 : 18Ah CORE Solar Battery by Voltaic Systems



Price: CAD \$479.00

**SKU:** VCV102-CORE-18

**Product Categories:** [Batteries](#), [Lithium](#), [Multi-Use : 12V, 3-19Ahr](#), [Shop](#)

**Product Tags:** [battery](#), [canada](#), [core](#), [core battery](#), [date](#), [iot](#), [lfp](#), [lifepo4](#), [lithium](#), [monitor](#), [pole](#), [radio](#), [research](#), [v102](#), [v102 canada](#), [volatic v102 canada](#), [voltaic canada](#), [voltaic v102](#)

**Product Page:**

<https://www.modernoutpost.com/product/v102-18ah-core-solar-battery-by-voltaic-systems/>

### Product Summary

This is Voltaic's V102 CORE battery. This 18Ah, 230Wh solar battery pack is a waterproof lithium iron phosphate battery (LFP) with an integrated MPPT charge controller and mounting rails. Designed for pole-mounted solar stations for remote

data systems, monitoring, radios, and more. Easily integrates with Voltaic solar panels. Adaptor cables and connectors are linked below on this page.

## Product Description

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### Voltaic V102 Features

- Optimized for 18V solar panels - MPPT charge controller built-in - Unregulated 12.4-14.6V output - Fully potted LFP cells and charge controller - Pre-installed MC4 connectors - All Standardized Protections Including: Overcharge, Over- & Under-temperature, and Short Circuit - Optional battery health monitoring option

### V102 CORE IoT Battery Specifications

- Capacity: 18Ah, 230 Watt Hours - Output: 10A Maximum, 12.4-14.6V Unregulated - Charge Controller: Maximum Power Point Tracking (MPPT) - 6mA self consumption, up to 97% efficient - Input : 14.5-25V - Input Current (MPPT) : 10A (best matched to 100W-160W of solar) - Input Connector: MC4 - Output Connector: M16 - Battery Cell Type: 4S 3P LFP 32700 - Operating Temperature Range : -20-60C (0-45C for charging input) - Protection: Short circuit over charge, over discharge, over temperature (45°C Input Cutoff, 60°C Output Cutoff), under temperature (0°C Input Cutoff, -20°C Output Cutoff) **V102 CORE Battery Size and Weight]** - 10.4 x 14.7 x 28.2cm - 3kg

## Document Downloads

[V102 Datasheet](#)

## Available Connector Accessories

M16 Cap

M16 Bulkhead

M16 to Bare Leads

M16 to 5521

M16-M16 Connector

M8 Bulkhead

M8 to M8

12V to 5V USB-C Regulator

12V to 5V MicroUSB Regulator

CORE Solar Battery Health Monitoring Dashboard

## **System Sizing Help]**

See Voltaic's [offgrid solar sizing tool](#) for battery and solar panel recommendations using their equipment.

## Product Attributes

- Dimensions: 31 &times; 16 &times; 12 cm
- Weight: 3.2 kg

## Product Gallery



