

## V103 : 96Ah CORE Solar Battery by Voltaic Systems



Price: CAD \$1,490.00

**SKU:** VCV103-CORE-96

**Product Categories:** [Batteries](#), [Lithium](#), [Multi-Use : 12V, 20-99AHr](#), [Shop](#)

**Product Tags:** [1200Wh](#), [96ah](#), [battery](#), [canada](#), [core](#), [core battery](#), [date](#), [iot](#), [lfp](#), [lifepo4](#), [lithium](#), [monitor](#), [pole](#), [radio](#), [research](#), [v103](#), [voltaic canada](#), [voltaic v103](#), [voltaic v103 canada](#)

**Product Page:**

<https://www.modernoutpost.com/product/v103-96ah-core-solar-battery-by-voltaic-systems/>

### Product Summary

This is Voltaic's V103 CORE battery. This 96Ah, 1229Wh 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, and others using included MC4 connectors. Output adaptor cables and connectors are linked below on this page.

## Product Description

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### Voltaic V103 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

### V103 CORE IoT Battery Specifications

- Capacity: 96Ah, 1229 Watt Hours - Output: 15A 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) : 15A (best matched to 140W-210W of solar) - Input Connector: MC4 - Output Connector: M15 4-Pin Cable - Battery Cell Type: 4S 10P 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)

**V103 CORE Battery Size and Weight]** - 10.4 x 14.7 x 72.8cm - 16kg

## Document Downloads

[V103 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: 74 &times; 16 &times; 12 cm
- Weight: 16 kg

## Product Gallery



