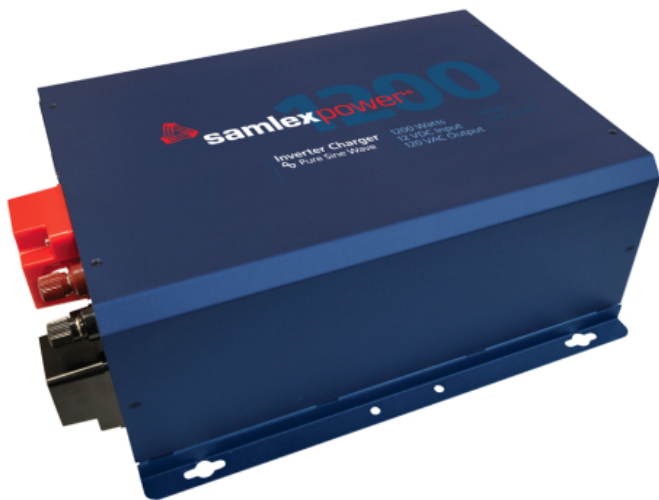


EVO-1224F : Evolution F-Series Inverter/Charger



Price: CAD \$1,499.00

Product Categories: [Inverters, Off-Grid : Inverter/Chargers 1-1.9kW](#), [Shop](#)

Product Tags: [1200 watt](#), [1200w](#), [24V](#), [24v inverter](#), [back-up](#), [cabin](#), [canada](#), [evo](#), [evo-1224f](#), [evo-1224f canada](#), [evo-1224f-hw](#), [inverter/charger](#), [rv](#), [samlex evo](#), [samlex inverter](#), [tiny house inverter](#)

Product Page:

<https://www.modernoutpost.com/product/evo-1224f-evolution-f-series-inverter-charge-by-samlex/>

Product Variants

- EVO-1224F : Evolution F-Series Inverter/Charger - GFCI (Front Panel Outlets) ()
- EVO-1224F : Evolution F-Series Inverter/Charger - Hardwire (With Terminal Block) ()

Product Summary

An ideal inverter for cabins, tiny homes, RVs, specialty vehicles, and emergency back-up power applications. The EVO-1224F is a pure sine wave inverter/charger that connects to a single AC input source (grid or generator) and integrates battery charging with optional solar input. **For use with Lead Acid or Lithium Batteries.** With 3x surge capacity, it is able to handle large start-up demands like pumps. Available with integrated GFCI outlets, or as a hardwire.

Product Description

An ideal inverter for cabins, tiny homes, RVs, specialty vehicles, and emergency back-up power applications. Advanced integration options provide a fantastic level of control over how the inverter works with battery sources, AC input, and your loads. The EVO-1224F is a pure sine wave inverter/charger that connects to a single AC input source (grid or generator) and integrates battery charging with optional solar input. The EVO provides 6 programmable charging profiles. **For use with Lead Acid or Lithium Batteries.** With 3x surge capacity, it is able to handle large start-up demands like pumps.

Available with integrated GFCI outlets, or as a hardwire.

Samlex EVO-1224F Features

Adaptive Battery Charger Option for Lead Acid Batteries - 6 programmable charging profiles - 2, 3 and 4 stages with Equalization - Algorithm monitoring in the Bulk Stage assesses the battery's condition. The remaining charging stages are based on the battery's condition rather than a pre-set charging time. - Reduces excess charging time and extends life of battery - Note that adaptive charging is not required for lithium battery banks **Transfer Switch** - Zero transfer time when switching from Inverter to AC input source. When AC input source comes on, the inverter synchronizes with the incoming wave form and then transfers instantly at zero crossing without interruption to the load. **Surge Capacity (Active Power Boost)** - The inverter has a surge capability of 3X its

continuous power rating, allowing it to turn on loads with high starting surge. - Inverter loads can exceed the continuous power output by the Power Boost Allowances without triggering and overload fault. - There is no need to upsize to a larger inverter/charger to handle a heavy surge load, resulting in reduced costs. **Solar Input**

Connect a solar charge controller (up to 50A) directly to the EVOTM through the Battery Charger External DC Input

- External charging current is monitored to free up more power from the grid to be available to the load while charging. - ONLINE Mode can be used to prioritize Batteries/Inverter over the grid, ideal for those who want to operate primarily on solar power, even when the grid is available (when grid is costly).

State-of-the-Art Technology - Multiple physical points of protection monitoring are scanned up to 10,000 times per second to detect adverse internal and external conditions.

The EVOTM is practically indestructible. The EVOTM will detect fault conditions and initiate a healthy shutdown before any damage can be done.

AC Input / Output Option - AC Power Cord Inlet and Duplex GFCI outlet:

EVO-1212F/1224F; hardwired: EVO-1212F-HW/1224F-HW

The EVO-RC-PLUS remote control (sold separately) can be used to capture detailed EVOTM performance data, stored on a removable 16GB SD Card. Advanced features for programming various parameters and modes of operation. 4 rows of 20 character alpha numeric LCD display for messaging.

The EVOTM uses five temperature sensors placed throughout the unit to determine operation of 2 speed controlled cooling fans. Reduces unnecessary fan noise and energy consumption by only running when and where the fans are needed.

Samlex EVO-1224F Specifications

Input : 24 VDC

Output Voltage : 120 VAC (Pure Sinewave)

Output Power : 1200 Watts

Output Surge : 3600 Watts

Provided Outlets : GFCI (Terminal block with faceplate cover provided in HW)

'hardwired' model)

Fuse : External (not included)

Remote Control : EVO-RC-PLUS (Optional - purchase separately)

Weight :17.6 kg / 38.8 lbs

Dimensions : 324 x 415 x 148 mm / 12.76 x 16.34 x 5.83 in

Safety : Intertek-ETL listed: Certified to CAN / CSA STD. C22.2 No. 107.1-01 ;

Conforms to ANSI / UL STD. 458. Certified to FCC Part 15(B), Class A

Warranty : 2 Year Limited

Spec Sheet & Manual

[Download the Spec Sheet](#)] [Download the User Manual](#)]

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 17 kg
- Model: GFCI (Front Panel Outlets), Hardwire (With Terminal Block)

Product Gallery



