

Samlex SAM : SAM-1500C-12



Price: CAD \$649.00

SKU: SXSAM1500C-12

Product Categories: [AC-DC Chargers : Lead Acid Batteries](#), [Inverters](#), [Off-Grid : Inverter/Chargers](#), [Mod Sine](#), [Off-Grid : Modified Sine](#), [Shop](#)

Product Tags: [1500c](#), [cabin](#), [canada](#), [charger](#), [inverter](#), [inverter/charger](#), [modified](#), [rv](#), [sam 1500c](#), [sam 1500c canada](#), [SAM-1500C-12](#), [samlex](#), [samlex 1500c](#), [samlex sam 1500c](#), [tiny house](#), [transfer switch](#)

Product Page:

<https://www.modernoutpost.com/product/samlex-sam-sam-1500c-12/>

Product Summary

The SAM-1500C-12 integrates a 1500W Modified Sine Wave Inverter, 30A Transfer Switch and a Two Stage 12V, 15 Amp Battery Charger. Ideal for RV's, fleet vehicles, tiny houses, and cabins.

Product Description

The SAM-1500C-12 is a robust all-in-one unit perfect for small RV's, tiny houses, &

cabins. It integrates a 1500W Modified Sine Wave Inverter, 30A Transfer Switch and a Two Stage 12V, 15 Amp Battery Charger. The transfer switch automatically detects utility or generator power and seamlessly transitions to/from your battery bank. You also get safe and rapid charging of 12V battery bank when grid power is available.

SAM-1500C-12 Key Features...

- Integrated 1500W Modified Sine Wave Inverter, 30A Transfer switch, and 2 Stage 12 VDC, 15A Battery Charger - High efficiency, lightweight, and compact for easy installation - Separate ON/OFF control for Inverter and Battery Charger for selectable operation as inverter, charger or UPS function - 4 color LED indicators to monitor operational status - Load controlled fan for efficient cooling when required - Allows use of higher capacity external 12V battery bank for longer backup time - Neutral to Ground Bond Switching Relay for grounding compliance - Electronic protections including GFCI when in Inverter Mode - Ideal for RV's, Trucks and remote housing

Ideal For...

- Uninterrupted AC backup power during residential power outages - 12V Battery charging - RV's, trucks and remote housing

SAM-1500C-12 Documentation...

[Download The Manual](#)

[Download The Spec Sheet](#)

SAM-1500C-12 Specifications...

- Model No. SAM-1500C-12 **Output - Inverter Mode** - Continuous active output power : 1500W (Power Factor = 1) - Maximum surge power : 3000W (<1 sec; Power Factor = 1) - Nominal output voltage : 115 VAC, +10% / -5% - Frequency : 60 Hz \pm 5% - Peak Efficiency : 90% (@ 50% load) - Inverter on/off control : By front panel Switch **Output - Grid Pass-Through** - Nominal voltage, frequency of grid : 120 VAC, 60 Hz - MAXIMUM POWER : 1500W (Power Factor = 1; Battery fully charged) **Input - Battery** - Battery System Voltage : 12V (10.5V to 15.5V \pm 0.5V) - dc current draw from battery at rated output power : 150A - dc no load current draw in inverter mode : 0.65A to 0.85A **Input**

- **Grid** - Nominal voltage, frequency 120 VAC, 60 Hz - Maximum ac input current - GRID pass through 15A (Protected by 15A breaker) **Transfer Specifications** - Current rating of transfer relay : 30A - Transfer time from grid to inverter : 2 to 3 seconds - Transfer time from inverter to grid : Up to 1 second **Battery Charger** - Charging algorithm : 2 Stage Charger - Bulk & Float - Float voltage : 13.8V \pm 0.3V - Bulk charge/max. charging current : 15A - Maximum ac input current : < 5A - AC input power factor : 0.6 - Voltage & current rating of Fuse/Breaker : 125V/250V, 5A - Charger on/off control : By front panel Switch **Protections** - Overload shutdown : Yes. Manual reset. - Low battery input (voltage) alarm : 10.8 \pm 0.3V - Low battery (input) voltage shutdown : 10.5 \pm 0.3V - Battery (input) over voltage shutdown : > 15.5V - Cooling - load controlled fan : Inverter Mode: ON at 85W - Charging Mode: ON at charging current > 3A \pm 1A - Over temperature shutdown : Yes. Auto reset - Ground fault shutdown : Yes. Manual Reset. - DC input reverse polarity : Fuse 240A (8 pcs. 30A Automotive Type ATC Fuses in parallel) **Connections** - DC input : Nut & Bolt, M9 - AC INPUT / AC OUTPUT : 6 foot cord with NEMA5-15P Plug / 2 x NEMA5-15R Outlets **General** - LED display GREEN "Inverter"; GREEN "Charger"; RED "Fault"; YELLOW "Input Fault" - Operating Temperature Range (MIN. TO MAX.) 0°C to 25°C / 32°F to 77°F at 100% loading; - 26°C to 35°C / 78.8°F to 95°F at 80% loading - Operating Humidity < 80%; Non-condensing - Dimensions (W x D x H) 202 x 345 x 84 mm / 7.95 x 13.58 x 3.30 in - Weight 4.0 kg / 8.82 lb

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 4.9 kg

Product Gallery

