

Sol-Ark 15K : 15KW Full-Featured Hybrid Inverter System



Price: CAD \$10,900.00

SKU: SOL-ARK-15K

Product Categories: [Grid-Tie](#), [Hybrid](#), [Hybrid Inverters: >10kW](#), [Hybrid Inverters: Pre-Wired](#), [Inverters](#), [Shop](#), [String Inverters: 10-19kW](#)

Product Tags: [15k-2p](#), [15kw](#), [back-up](#), [canada](#), [grid tie](#), [hybrid inverter](#), [off-grid](#), [pre-wired](#), [sol ark canada](#), [sol-ark 15k](#), [sol-ark 15k canada](#), [solark 15k](#)

Product Page:

<https://www.modernoutpost.com/product/sol-ark-15k-full-featured-hybrid-inverter-system/>

Product Summary

This is the Sol-Ark 15K. A full-featured hybrid inverter system that makes residential solar, either grid-tied or off-grid, elegant, and easily integrated with your home electrical system. If you want a proven, reliable, all-in-one pre-wired system that

includes inverter, charge controller, display with remote monitoring, auto generator start, as well as load center with breakers, rapid shutdown, and WiFi capabilities, then you want a Sol-Ark. The Sol-Ark 15K edition includes a big 200A grid interface which means you can place this between your meter and your service panel in order to back-up your entire house.

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Sol-Ark Pre-Wired Inverter Systems simultaneously manage power to/from Solar, Battery, Grid, Loads, and Generator. The Sol-Ark inverter is simple to install and can be used in Grid-tied, Off-Grid, or Battery Backup solar applications. It is expandable, and can grow as your power needs grow. On grid PV to AC efficiency is 96% - among the top in the industry - means less solar is needed.

Sol-Ark 15K Applications

- Grid-Tied Mode - Sell power back to the Utility to reduce your electric bill*
- Meter Zero Mode - Zero your electric bill without adding an additional smart meter
- Time-Of-Use Mode - Use solar and batteries to minimize grid power usage when it's most expensive
- Smart Load Mode - Use a programmable output for high-power off grid loads or grid Time-of-use loads - to run only when there is optimum solar - use excess PV power when batteries are full
- Off Grid applications - battery agnostic - AC Coupling - retrofits to existing grid tie systems
- Battery backup applications - EMP applications (**offered with 8K and 12K EMP Hardened Inverters only- includes EMP suppressors for appliances

and solar panels. Not available on the 5K.) Also, lithium battery technology is NOT recommended, but lead-acid batteries are fine. The electronics in the lithium BMS cannot be guaranteed to survive EMP, whereas lead-acid is chemical, thus will survive.

***NOTE:** For Net Metering applications, if you have a 200A or greater service, you will need to buy a 200A Current Transformer separately (item code SOLARK200ACT). The inverters come with 100A CTs that are appropriate for 2/0 wire. The 200A CTs support 4/0 wire.

Sol-Ark 15K Features

- Grid-Interactive or Off-Grid capability in the same package - can be used with or without energy storage - add batteries down the line (The unit can be used in grid-tied applications without batteries, but if there is an outage, and there are no batteries, the inverter shuts down per NEC).
- Easy and fast to install - no external components (ie. fuses, breakers, combiner box) - all integrated in one unit
- Indoor/Outdoor installations
- Lightweight - under 80 lbs
- Color touch screen
- Works with the widest variety of 48V battery chemistries - from lead acid to lithium
- Backup power (even use the Grid as backup!) and support for time-of-use optimization
- Completely pre-wired system - Sol-Ark inverter and charge controller included
- Wifi integrated for easy monitoring of system performance
- Integrated DC Disconnect, Auto Gen Start, Critical Loads panel
- Highly efficient - both on-grid and off-grid
- Generator support
- Field-upgradeable software with remote support
- Fully NEC compliant (N. America) with rapid shutdown

Sol-Ark 15K Specifications

- Solar PV Continuous Power : 17kW
- Inverter AC Continuous Power (On Grid) : 15kW
- Inverter DC Continuous Power (Off Grid) : 12kW
- Off Grid Inverter AC Peak Surge Power : 24kW (10s)
- Continuous AC Power w/Grid or Generator : 48kW
- System Idle Power : 90W
- Continuous Battery Charging Output : 275A
- Battery Handling Capacity : 50 - 9900Ah
- PV to Battery Efficiency @ 65% :

96% - AC to Battery Efficiency @ 65% : 96% - Battery to AC Efficiency @ 65% :
95% - On Grid PV to AC Efficiency @ CEC : 96% - Grid Failure UPS Transfer
Time : 5 ms - Preferred Application : Grid Tie + Storage, Off Grid - Parallel
Stacking : Yes - up to 12 - 3 Phase Capability : Yes - EMP Hardened Option
Available : No - Enclosure : NEMA 3R - Weight : 85 lbs - Dims (H x W X D) :
31.8" x 18.3" x 10.9" - Warranty : 10 Year

Download Documentation

[Sol-Ark 15K Data Sheet](#) [Sol-Ark 15K Manual and Installation Guide](#)

[Sol-Ark-Battery-Communications-Integration-Guide-V2.9](#)

Product Attributes

- Dimensions: 100 × 60 × 40 cm
- Weight: 39 kg