



PVPowered™ solaron® siteguard®

Solaron® AC/DC Switchgear Cabinet

Integrated AC/DC switching and master combiner cabinet for Solaron® 500 kW inverters

The AC/DC Switchgear Cabinet includes a fully integrated DC master combiner, DC disconnect switch, AC power bus bar connections, optional AC disconnect switch, and a separate SCADA/data monitoring compartment for the Solaron® 500 kW inverter. This compact accessory dramatically reduces balance-of-system (BOS) costs and simplifies field installation.

Benefits

Reduce BoS costs

- Material
- Time
- Labor

Simplify installation

User-configurable master combiner space

Separate compartment for SCADA and data monitoring gear

Features

Factory integrated

Compact footprint

DC disconnect switch

Bus bar AC power connections

AC disconnect switch (optional)

Master combiner with 10 fuse positions for each side of the array

Front access

to all compartments



Reduce BoS Costs

The AC/DC switchgear cabinet consolidates switching equipment and is integrated with the Solaron 500 kW inverter. AC and DC service disconnects, oversized bus bar landings, and a generous cable-bending area for bottom, top, and side cable-entry options are just a few of the features that will save material costs, time, and field labor.

The cabinet includes a flexible, user-configurable, DC master combiner section with space for up to ten 125A to 400A 700V fuses or ten 100A to 300A 1000V fuses for each pole of the array.

Simplify Installation

The inverter and AC/DC Switchgear Cabinet are fully integrated at the factory and ship as a single unit to your site. Bus bars enable a quick connection to the PV system. All connectors are easily accessible from the front of the cabinet.

Separate DataCom Compartment

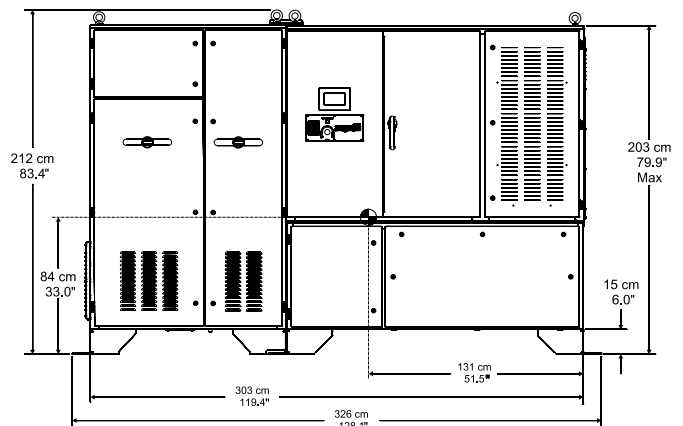
The AC/DC switchgear cabinet features a large NEMA3R compartment for SCADA controllers, data loggers, modems, and network switches—ideal for all of your site data communication equipment. This area is isolated from the high-voltage inverter cabinet, providing IT personnel access to the monitoring gear in a safe, low-voltage area.

Availability

Contact us for more information at +1.541.312.3832.

Summary Specifications

Physical and Electrical	
Dimensions	83.4" (H) x 48" (W) x 40.2" (D)
	211 cm (H) x 122 cm (W) x 102 cm (D)
	Dimensions include cabinet handles.
DataCom Area	15" (H) x 18" (W) x 18" (D)
	38 cm (H) x 46 cm (W) x 46 cm (D)
Weight	1058 lb
	480 kg
Environmental Rating	NEMA3R
Cooling	Air-cooled
Mounting	Factory integrated
Connector and Cable Specifications	
DC Input	Bus bars with 10 lug positions per pole; M8 studs
DC Fuses	Up to ten 125A to 400 A 700 V fuses or ten 100A to 300A 1000V fuses for each pole of the array. Fuses are customer supplied and installed.
AC Output	Bus bars with 4 lug positions per phase; M12 bolts
Switches	
AC Switch (optional)	1000A, 400V, 3 Pole, Load-break
DC Switch	1200A, 1000V, 2 Pole, Load-break



For more information on AE inverters, visit www.advanced-energy.com/renewables.

Specifications are subject to change without notice.



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