



Engineering Specification sheet
Equinox Load Break Multiple Disconnect DC Switch Enclosure
250A or 350A, 1000V
General Information

Product description:

Multiple Load Break Disconnect Switch Enclosure; provides the end-user with the means to open multiple source circuits (up to 4 per handle) from the PV array with 1000Vdc UL98b listed disconnect switches, within a NEMA 3R freestanding enclosure. This DC switch enclosure allows for fail-safe isolation of the inverter in the unlikely event that a problem with a source circuit leads to an abnormally high current or for disconnecting PV output circuits from the inverters input fuses for maintenance. Installation of this product must comply with NFPA NEC 70 as well as any applicable codes, as specified by all authorities having local jurisdiction.

Enclosure:

- NEMA 3R Freestanding modular steel enclosure
- 1800MM x 1600 x 800MM (2- Doors)
- Powder coated finish RAL7035, light gray
- Seamless foam-in-place gasket
- Dead front safety shield
- Locking handle
- Built-in door stop
- Estimated weight 1200 lbs

Disconnect Switch Specifications:

- 4 x 250A, 2 x 250A, 4 x 350A, 2 x 350A
- Maximum number of switches, 20 x 250A, and 20 x 350A
- Maximum number of handles, 5
- Custom plated copper bus bars for NEMA rated 2-hole compression lugs (Max 1000MCM)

Incoming and Outgoing conductors:

- All terminals are rated for 90°C conductors, CU/AL cable
- Built-in cable management
- Grounding
- Provisions and hardware for up to 20 single hole lugs, and 2 for NEMA rated 2-hole lugs @ 90°C, CU/AL cable

Operating Temperature:

- -20 to +50°C

Approvals by Intertek

- Listed to UL1741, 2nd Ed, CAN/CAS C22.2 NO 107.1-01. 3rd Ed.



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Available Configurations

250Amps

- **8 x 250A (2 handles)**
- **10 x 250A (3 handles)**
- **12 x 250A (3 handles)**
- **14 x 250A (4 handles)**
- **16 x 250A (4 handles)**
- **18 x 250A (5 handles)**
- **20 x 250A (5 handles)**

350Amps

- **8 x 350A (2 handles)**
- **12 x 350A (3 handles)**
- **14 x 350A (4 handles)**
- **16 x 350A (4 handles)**
- **18 x 350A (5 handles)**
- **20 x 350A (5 handles)**