



DC DISTRIBUTION BOX

Rooftop Solar PV Application

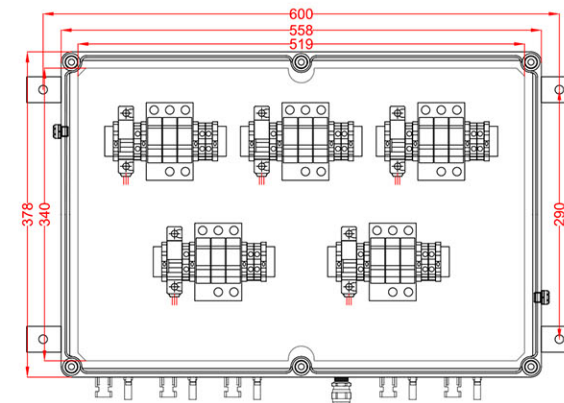


Highlights

- DC Distribution Unit is used to collect DC output from Array Junction Box (AJB) & supply it to the inverter.
- DCDB provides flexibility for the operator of solar power plant to connect & disconnect the inward Solar Supply & Battery Terminals.
- DCDB have two sections 1) Solar Section, 2.) Battery section.
- In each section of DCDB have MCB / MCCB & a fuse of proper rating depending upon the capacity of power plant & battery bank are used.
- DCDB isolates battery bank & Inverter from any electric surge.
- DCDB makes maintenance easier and enhances system reliability.
- Our series of PV DCDB is designed to deliver high performance and better reliability of PV Combiner Box attached to access Inverters.
- It is added to the inverter for minimizing the system installation time and maximizing the Inverter safety.

Key Features:-

- All of HPL- DC Distribution boxes is tested/certified as per IEC/IS standard.
- The enclosure is accessible only via the use of tools in order to ensure the protection.
- Customizable based solution as per customer needs & requirements.
- Reliable electric safety to avoid hazard.
- Easy and decent Cable management.
- Wall mounting design for easy installation and maintenance
- Every terminal is secured and weather proof for outdoor applications also, highly secure wiring, besides being insulated with PG Cable Gland or built-in MC4 terminal connector on demand.
- Protects the system if there is any fault during failure in DC side.



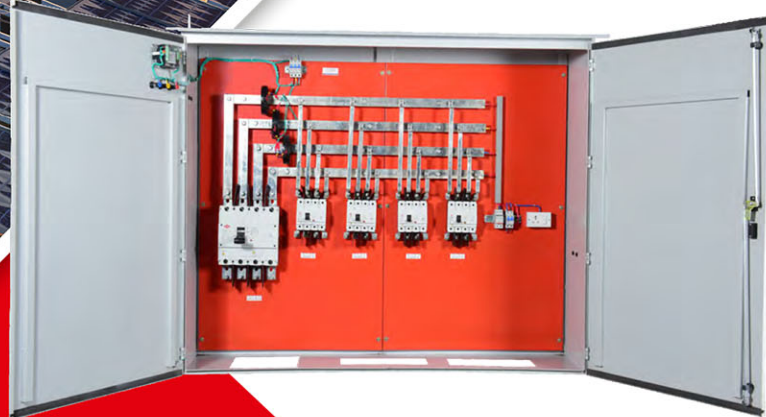
Model	Description
DCDB-0101	1 IN 1 OUT
DCDB-0202	2 IN 2 OUT
DCDB-0303	3 IN 3 OUT
DCDB-0404	4 IN 4 OUT
DCDB-0606	6 IN 6 OUT
DCDB-0808	8 IN 8 OUT
DCDB-1010	10 IN 10 OUT





AC DISTRIBUTION BOX

For Rooftop & Ground-Mount Solar PV Application

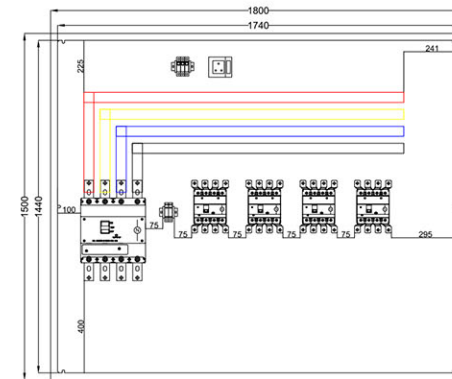


Highlights

- ACDB is capable to receive AC power from solar inverter and directs it to AC loads.
- ACDB is an important part of SPV system as it provides extra protection to the system in case of failures on load side.
- A provision can also be made in ACDB to monitor the consumption of power from SPV Power Plant.
- AC Distribution Box makes maintenance easier and enhances system reliability.
- Our ACDBs are designed to deliver high performance and added protection by isolating inverter from mains as and when required.

Key Features :-

- AC Distribution Boxes are tested and certified as per IEC/IS standard up-to operating voltage of 1000V AC.
- The AC Distribution Box are available in CRCA / Polycarbonate / FRP enclosure with screw and latches opening provision to maintain to deliver better reliability towards tough weather conditions.
- Degree of protection IP-65/66
- Tailor made product as per customer requirements.
- AC Distribution Boxes CRCA Enclosure are crafted with in house powder coating and phosphating facility
- In house testing facility:-
 - Current Test
 - High Voltage Test
 - Torque Test
 - Temperature Rise Test
 - Insulation resistance Test
 - Ingress Protection Test



Model	Description	
ACDB-0101	1 IN 1 OUT	For Single Phase
ACDB-0102	1 IN 2 OUT	For Single Phase
ACDB-0103	1 IN 3 OUT	For Single Phase
ACDB-0101	1 IN 1 OUT	For Three Phase
ACDB-0102	1 IN 2 OUT	For Three Phase
ACDB-0103	1 IN 3 OUT	For Three Phase
ACDB-0103	1 IN 4 OUT	For Three Phase

