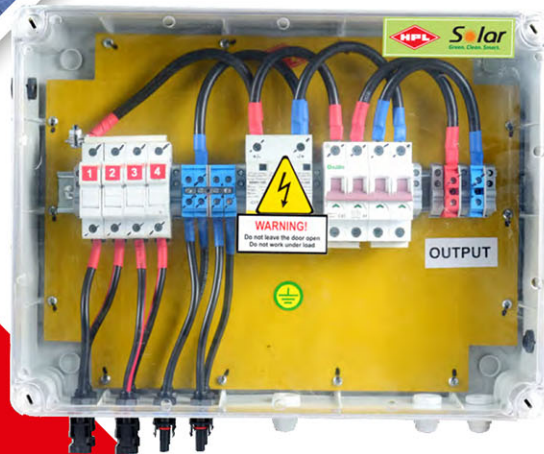


ARRAY JUNCTION BOX / DC MCB BOX

For Rooftop Solar PV Application

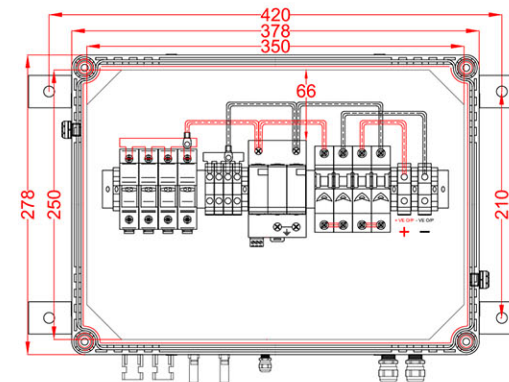


Highlights

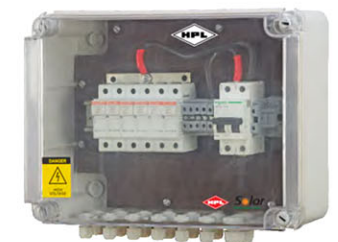
- Array Junction Boxes (AJB), also referred to as PV combiner boxes, basically collect DC power from PV strings with blocking diodes on each string for protecting panels from reverse current flow. The collected power is then transferred to power inverter.
- We offer highly functional PV Array Junction Box. PV Array Junction Box that we offer is fabricated with the use of latest technology and is suitable for different Solar Power applications. Our PV Array Junction Box is tested by the experts under strict industry norms to guarantee flawless functioning and durability.
- Array Junction Box is meant for combining all the incoming lines from the solar panel strings/arrays and deriving one common string/array output for the multiple array inputs.
- Array Junction Boxes are dust, vermin and waterproof and made of Thermoplastic (ABS).
- Junction Boxes have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables.

Key Features:-

- HPL Array Junction Boxes are tested and certified as per IEC 61439-1 standard up-to operating voltage of 1000 V DC.
- The enclosure is made of high quality polycarbonate material.
- Degree of protection IP-65/66
- The enclosure is accessible only via the use of tools in order to ensure the protection
- Tailor made product customised as per customer needs.
- Blocks the reverse flow of current from battery to solar panels.
- Reliable electric safety to avoid hazard.
- Obstructs sudden surges due to lightning strokes during cloudy and rainy conditions and ground the surges immediately.
- Fuses for overload protection on each string.
- Available in reverse blocking diodes (option).
- Easy cable termination with plug in and plug out feature.
- Time and money saver Solar String management.
- Space saving and orientation flexibility.
- Reliable electric safety to avoid hazard.



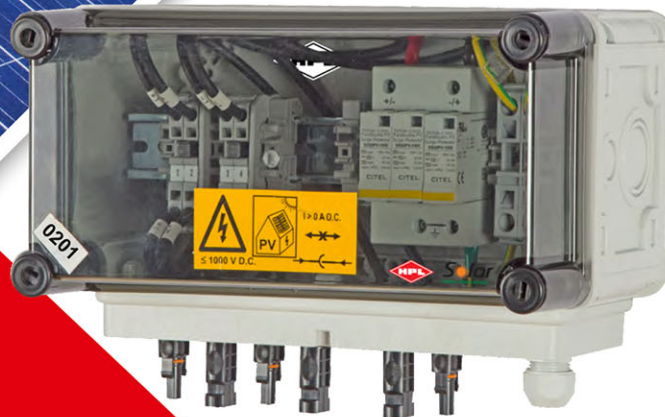
Model	Description	Output
AJB-0101	1 IN 1 OUT	For 1 Solar Array String
AJB-0201	2 IN 1 OUT	For 2 Solar Array String
AJB-0301	3 IN 1 OUT	For 3 Solar Array String
AJB-0401	4 IN 1 OUT	For 4 Solar Array String
AJB-0501	5 IN 1 OUT	For 5 Solar Array String
AJB-0601	6 IN 1 OUT	For 6 Solar Array String
AJB-0701	7 IN 1 OUT	For 7 Solar Array String
AJB-0801	8 IN 1 OUT	For 8 Solar Array String
AJB-1201	12 IN 1 OUT	For 12 Solar Array String
AJB-1801	18 IN 1 OUT	For 18 Solar Array String
AJB-2401	24 IN 1 OUT	For 24 Solar Array String





MAIN JUNCTION BOX

Rooftop Solar PV Application

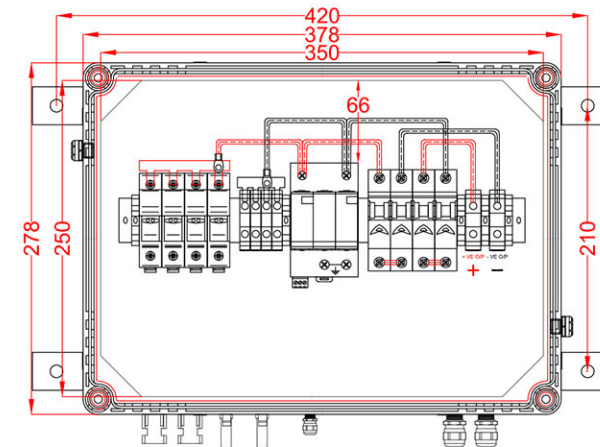


Highlights

- Main Junction Box is used to combine output from several Array Junction Boxes and connect it to DC Distribution Box or to Power Conditioning Unit/Solar Inverter.
- The MJB consists of Two Sections.
- One to combine all the Positive Terminals.
- Second to combine the Negative Terminals on the other side.
- Tested under strict industry norms by experts to guarantee flawless functioning and durability.
- Main Junction Boxes are made from high quality Thermoplastic (ABS) with the use of latest technology and is suitable for a range of Solar Power applications such as standalone Rooftop Systems, Hybrid Systems etc.
- Main Junction Boxes are Dust, Vermin & Waterproof.
- Fitted with cable glands of appropriate sizes for both incoming and outgoing cables.

Key Features:-

- HPL Main Junction Boxes are tested and certified as per IEC 61439-1 standard up-to operating voltage of 1000 V DC.
- The enclosure is made of high quality poly-carbonate.
- Degree of protection IP-65/66
- Tailor made product customised as per customer needs.
- Capable of blocking reverse flow of current from battery to solar panels.
- Reliable electric safety to avoid hazard.
- Obstructs sudden surges due to lightning strokes during cloudy and rainy conditions and ground the surges immediately.
- Fuses for overload protection on each string.
- Available in reverse blocking diodes (option).
- Easy DC-termination.
- Easy and decent Cable management.
- Space saving and orientation flexibility.



Model	Description	
MJB-0201	2 IN 1 OUT	For Combining 2 Solar AJB
MJB-0301	3 IN 1 OUT	For Combining 3 Solar AJB
MJB-0401	4 IN 1 OUT	For Combining 4 Solar AJB
MJB-0501	5 IN 1 OUT	For Combining 5 Solar AJB
MJB-0601	6 IN 1 OUT	For Combining 6 Solar AJB
MJB-0701	7 IN 1 OUT	For Combining 7 Solar AJB
MJB-0801	8 IN 1 OUT	For Combining 8 Solar AJB