

# iRENEWABLE COMBINER BOX



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# STRING COMBINER BOX



**For Ground Mount solar PV Application**

**1500V DC**

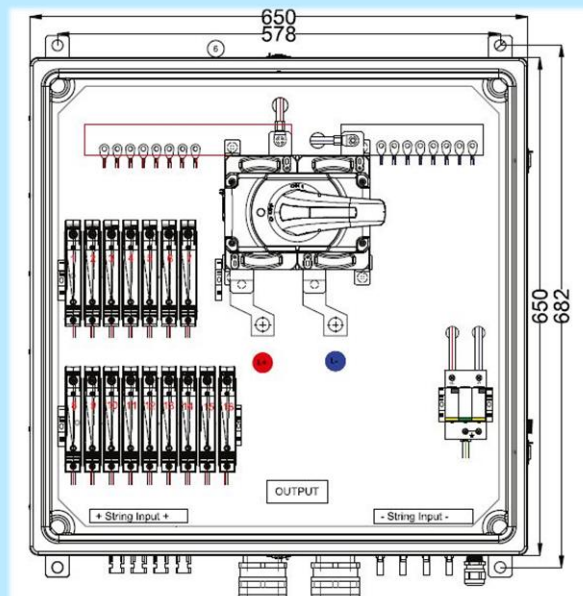


## Highlights

- String Combiner Boxes are first point of contact for Solar PV plant and are used to combine multiple string or arrays from PV modules to collate Single DC Output.
- Designed and manufactured with top quality components and workmanship to deliver best in class product to our clients.
- Designed and manufactured under strict engineering standards to face challenging environmental conditions to deliver undoubted performance on field.
- Offer a wide range of String Combiner Box solution to cater utility, commercial and residential segments.
- Customized product ranges from 500V DC to 1500V DC with reliable safety features.
- Our String Combiner Boxes are in-line with IEC & UL Standards.

## Key Features

- Touch Safe Fuse Holder
- Surge Protection Device
- DC Disconnect Switch
- FRP & Polycarbonate Enclosure
- NEMA 4X Enclosures
- IP-65/66/67 Enclosures
- Mechanical Strength (IK-08/10)
- UV Resistant
- Pressure Equalizers (Vent Plugs)
- MC4 Connectors for Cable Entry
- Double Compression Glands for Output
- Wall Mounted / Structure Mounted
- Operating Range (-25 C) - (+80 C)
- Locking Arrangement Hinge and Screw Type
- Tested & Certified as per IEC 61439-1&2 Standard.
- Manufacturing Warranty of 5.5 years



Model	Description
SCB 1500V DC	8 IN – 1 OUT
SCB 1500V DC	12 IN – 1 OUT
SCB 1500V DC	14 IN – 1 OUT
SCB 1500V DC	16 IN – 1 OUT
SCB 1500V DC	24 IN – 1 OUT
SCB 1500V DC	32 IN – 1 OUT



# STRING MONITORING BOX



**For Ground Mount solar PV Application**

**1500V DC**



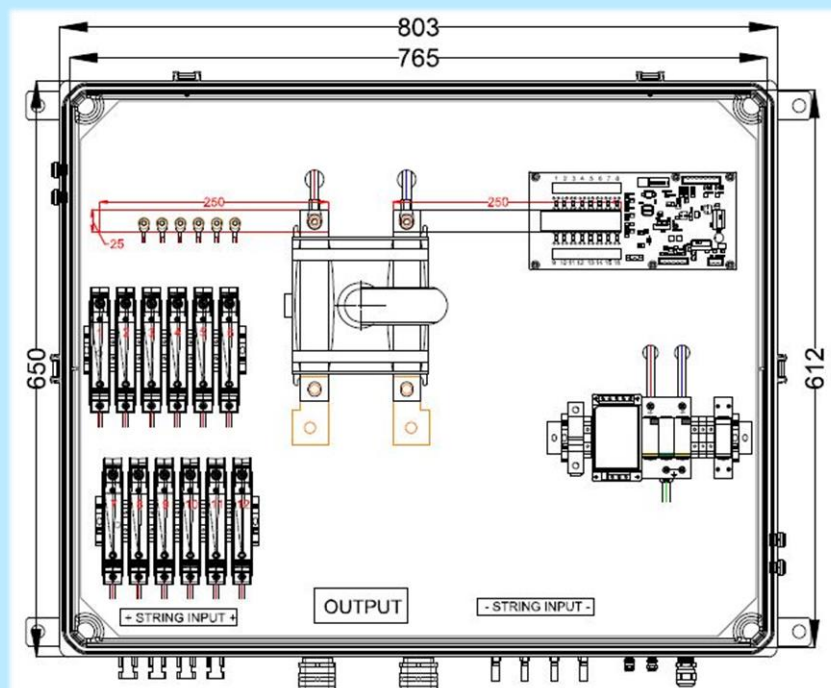
## Highlights

- SMB are advanced version of SCB integrated with PCB to monitor different analog & digital parameters.
- SMB are designed and manufactured with top quality components and workmanship to deliver best in class product.
- Offer string monitoring solutions to Cater Utility, Commercial and Rooftop segments.
- SMB are manufactured with strict engineering standards to deliver high reliability product to face challenging environmental conditions on field.
- SMB are used to measure SPD Status, DC Disconnecter Status, Temperature Measurement, Voltage & Current Measurement & other customized parameters.
- Our String Monitoring Boxes are in-line with IEC & UL Standards.



## Key Features:

- Touch safe fuse holder
- Monitoring PCB (Shunt & Hall Based)
- RS485/OFC/Wi-Fi Monitoring Solutions
- Power Supply
- Surge Protection Device
- DC Disconnect Switch
- NEMA 4X Enclosures IP-65/66/67 Enclosures
- Mechanical Strength (IK-08/10)
- UV Resistant
- Pressure Equalizers (Vent Plugs)
- MC4 Connectors for Cable Entry
- Double Compression Glands for Output
- Wall Mounted / Structure Mounted
- Operating Range (-25 C) -(+80 C)
- Locking Arrangement Hinge and Screw Type
- Auto Addressing
- Over Voltage Protection
- Current Measurement (40A)
- Voltage Measurement (1500V DC)
- Tested & Certified as per IEC 61439-1&2 Standard
- Manufacturing Warranty of 5.5 years



Model	Description
SMB 1500V DC	8 IN – 1 OUT
SMB 1500V DC	12 IN – 1 OUT
SMB 1500V DC	14 IN – 1 OUT
SMB 1500V DC	16 IN – 1 OUT
SMB 1500V DC	24 IN – 1 OUT
SMB 1500V DC	32 IN – 1 OUT



# AC MONITORING BOX



**For Ground Mount & Roof Top Solar PV Application**

**800V AC**

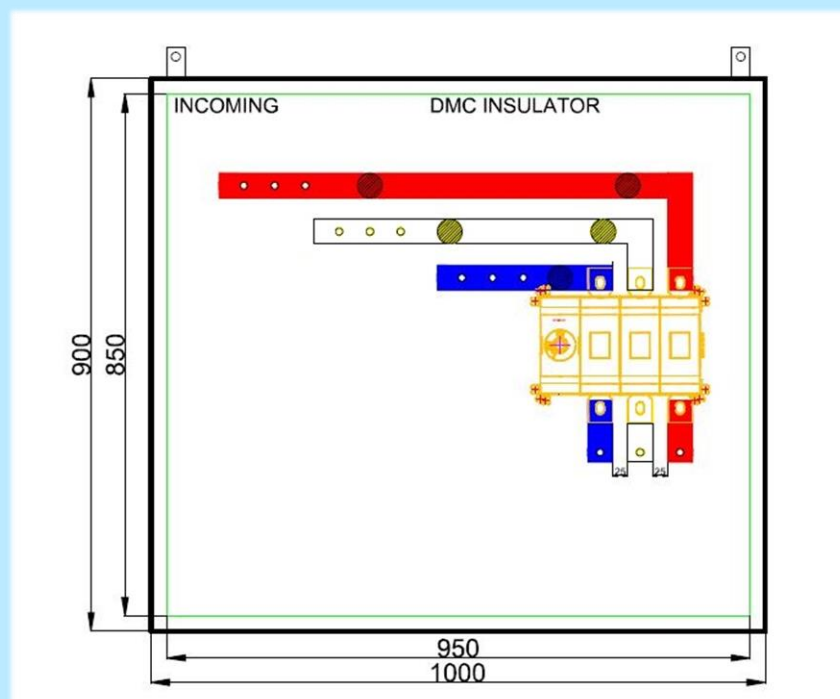


## Highlights

- Designed and developed to combine multiple outputs from string inverters to deliver safe operation of system.
- Designed and manufactured under strict engineering rules and regulation to deliver best in class product to our customers.
- Manufactured with key and top-quality components to face challenging environmental conditions.
- Suitable for indoor & outdoor installation with weatherproof features.
- Tailor made as per customer requirement.
- Suitable for Ground Mounted/Rooftop Solar projects.
- AC Combiner Boxes are in line with IEC & IS Standards.

## Key Features:

- **Enclosure Material:** CRCA/Galvalume
- **Ingress Protection:** 54/55/65/66
- **Operational Voltage:** Up-to 800VAC
- **Insulation voltage:** Up to 1000VAC
- **Max operating current:** 630A AC
- **Internal Bus Bar:** Aluminum/Copper
- **Input Method:** Double Compression Nickel Plated Cable Gland.
- **Output Method:** Double Compression Nickel Plated Cable Gland.
- 800V AC MCCB for input protection (Thermal Magnetic/Microprocessor).
- 800V AC Isolator/MCCB for output protection (optional")
- Tested & Certified as per IS & IEC 61439 Standard.



Model	Description
ACCB 800V AC	2 IN – 1 OUT
ACCB 800V AC	3 IN – 1 OUT
ACCB 800V AC	4 IN – 1 OUT
ACCB 800V AC	5 IN – 1 OUT
ACCB 800V AC	6 IN – 1 OUT



# CONTACT US

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