



evolve
India

SWIFT

EUROPA

**A complete power conditioning, protection solution for
SOLAR POWER PLANT**

DC/AC/Combiner/Junction/Distribution/Monitoring



SHIMATO ENTERPRISES PVT LTD
#371 SIDCO Industrial Estate,
Opposite Godrej 2nd Gate,
North Phase Ambattur Chennai 600098

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SWIFT Solar Distribution Boxes

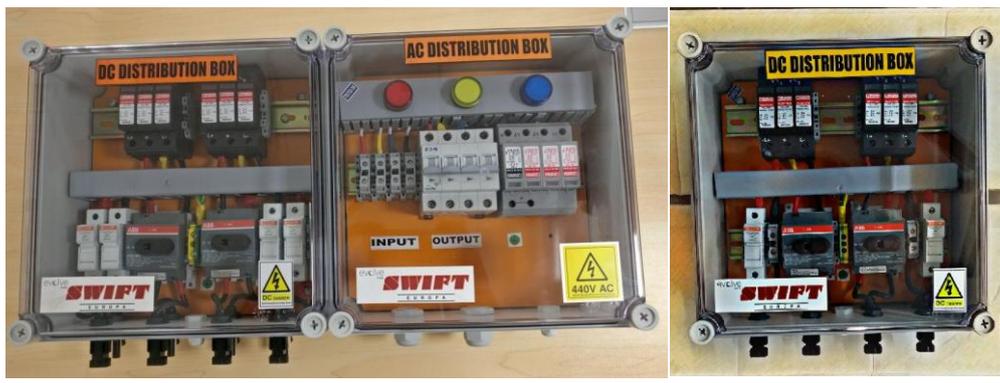
SWIFT Europa offers a complete solution for PV array junction Boxes. The boxes are made as per the IEC standards using advanced technology and latest design to suit the power plant. The boxes are made by experts in solar designing, keeping all protection in concern and thoroughly tested for smooth running of power plant for maximum efficiency.

How Boxes Works

1. The PV module are made up of semiconductor material which converts incident photon into electric current.
2. The DC current then goes to inverter through DC Array Box which combines/Distributes the string as per the suitability of inverter.
3. The boxes provide protection from reverse current and surge in voltage.
4. The DC current gets converted into AC in inverter and is fed to load through AC Distribution Boxes having safety devices.

Features Of SWIFT Europa

1. Isolates DC currents at source
2. Provides Fuse protection for over current.
3. Protects from reverse current to damage the module.
4. Load break disconnection.
5. Makes DC termination safe and easy.
6. It comes with MC4 connector for plug and play installation.
7. The wiring is done as per proper colour coding for proper identification.
8. Cables and Bus Bar used are all Tinned Cu for maximum conductivity.
9. Heat dissipation through intelligent spacing and proper ventilation.
10. Follows the pollution degree III, providing increased safety in industrial or high condensation external environment.
11. Remote monitoring facility (as per demand)
12. All enclosures are IP 65/66 which enable to be used outdoors.

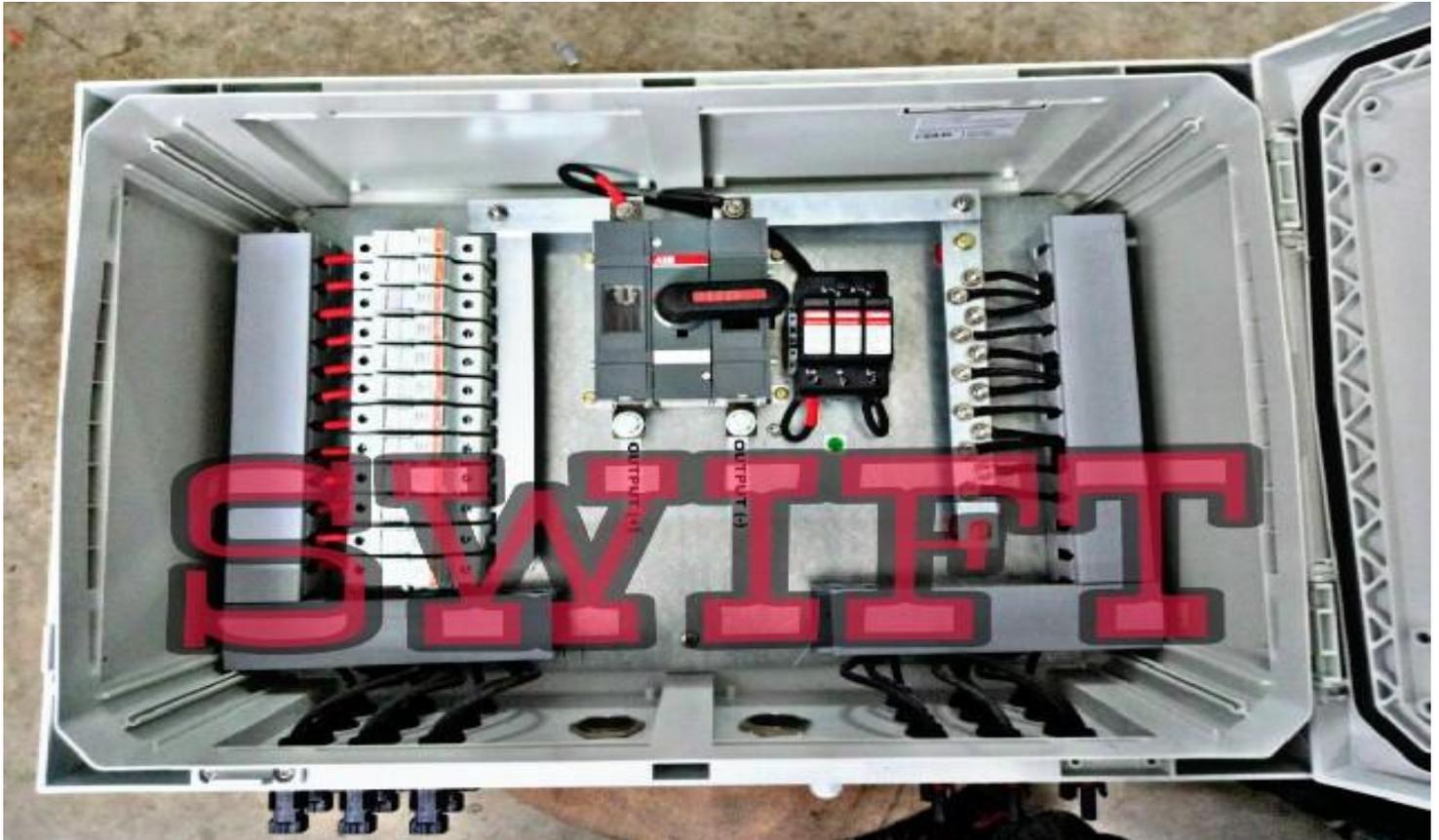


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SWIFT Solar Combiner Boxes

SWIFT Europa String Combiner Boxes are used to combine multiple strings input into one for solar inverters.



Featuring

1. DC FUSE



DC fuse upto 30A 1000V

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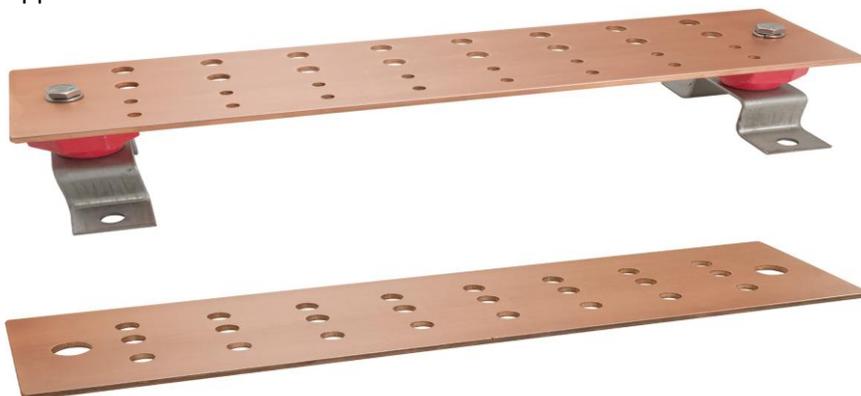
2. Isolator Switch Disconnecter With Extended handle



3. Surge Protection Device



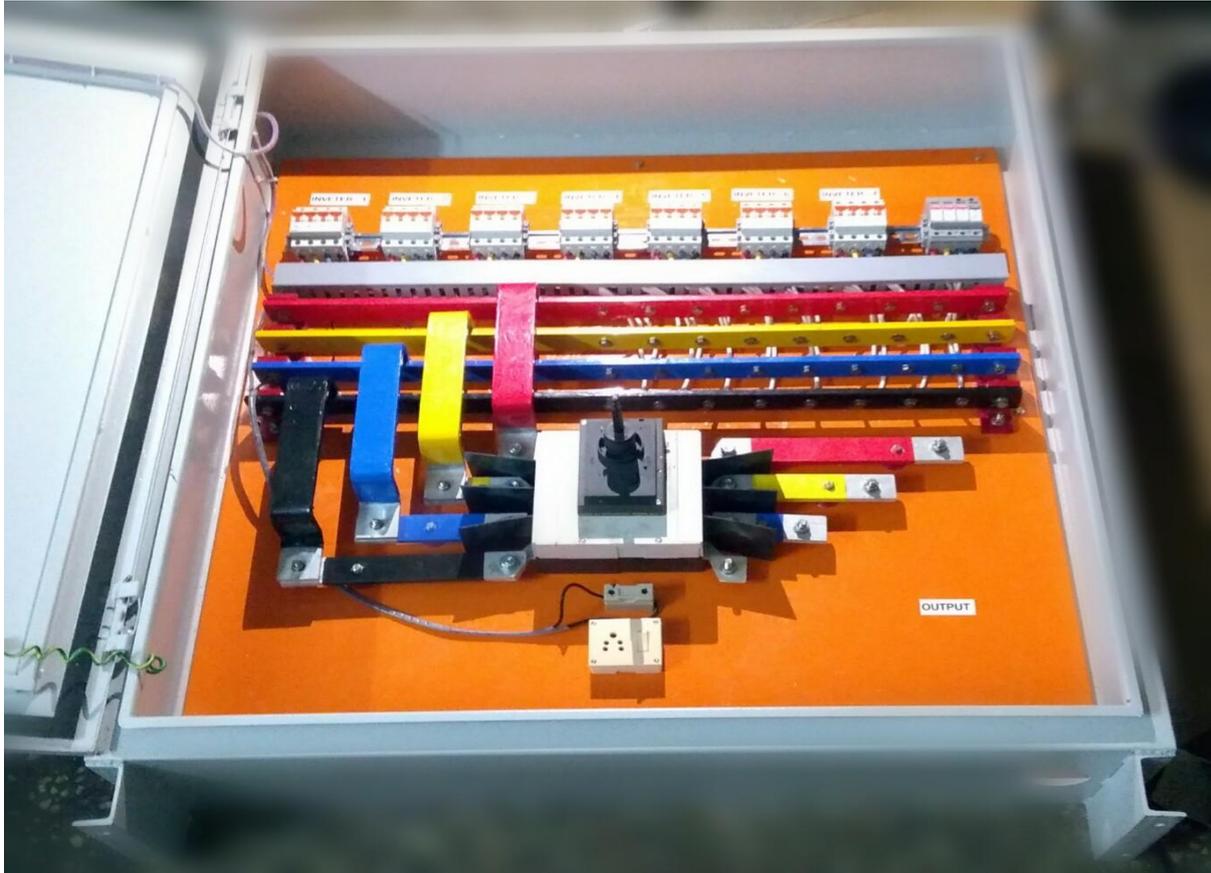
4. Copper Bus Bar



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SWIFT Solar Combiner Boxes AC/LT Panels



7 Inverters Combined For 1Grid Input



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According to Standards

- IEC 60947-3
- IEC 60364-7-712
- IEC 61439-1

String Configuration Scheme

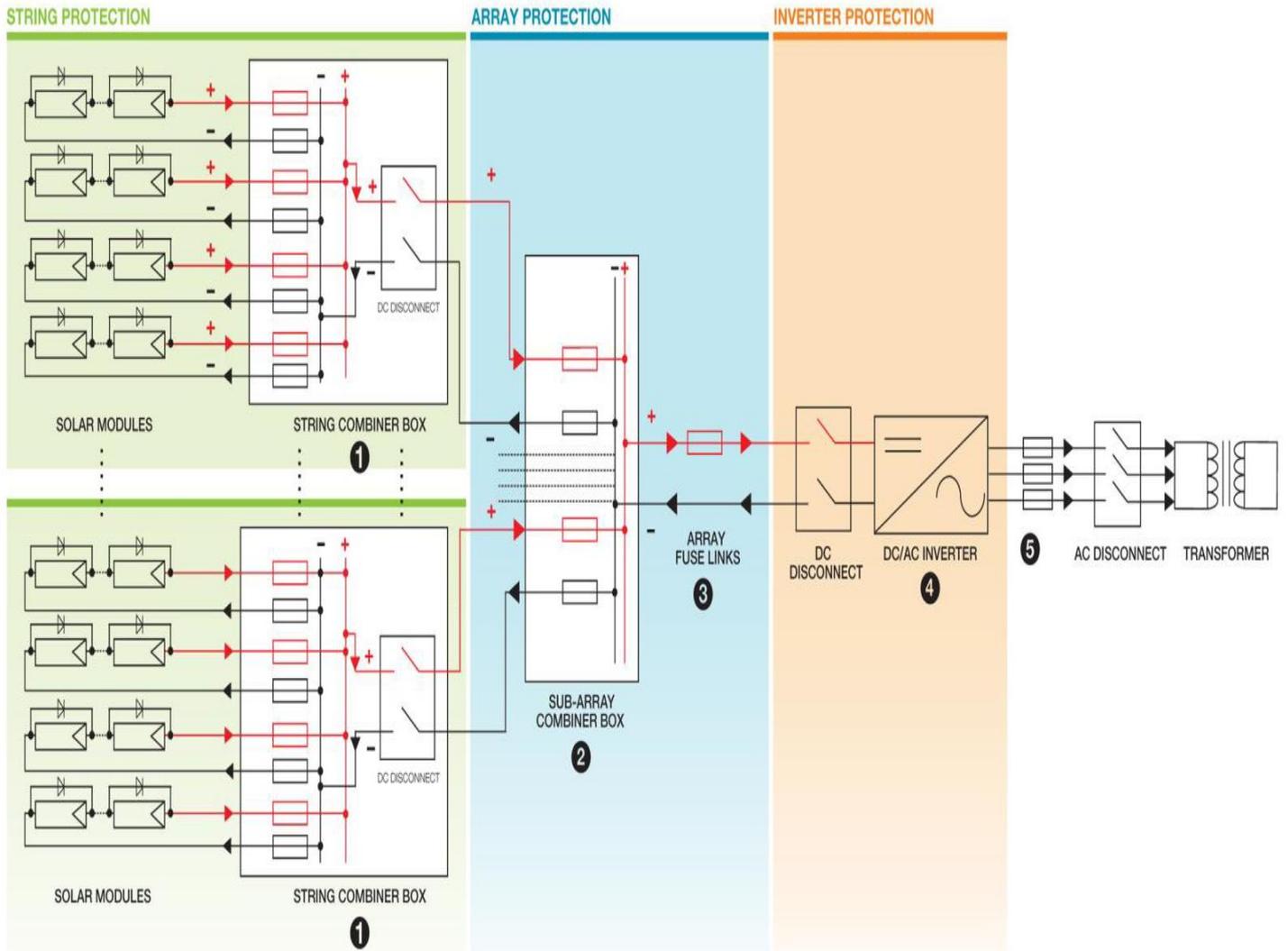
Number of Strings	Rated Voltage (Vdc)	Fuse Rated Current (A)	Height (mm)	Width (mm)	Depth (mm)	Fused Ways	DC Disconnecter Rating (A)
4	1000	1-10	285	380	185	8	25
6	1000	1-20	380	570	185	12	100
8	1000	1-20*	380	570	285	16	100-125*
10	1000	1-20*	380	570	285	20	125-160*
12	1000	1-20*	380	760	225	24	125-200*
16	1000	1-20*	380	760	225	32	160-250*
20	1000	1-20*	847	636	300	40	200-315*
24	1000	1-20*	847	636	300	48	250-400*

*Top ratings use a different DC switch

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SWIFT Europa Solution For PV Plant



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