



SS SOLAR SPECIALITY

LEADING THE SOLAR REVOLUTION



**EMPOWERING
SUSTAINABLE ENERGY SOLUTIONS**

ABOUT US

SS Solar Speciality, established in 2016, is a leading provider of solar on-grid systems and solar components across India. Known for our quality products and commitment to renewable energy, we offer innovative solutions backed by strong warranties and customer satisfaction.

SS Solar Speciality, based in Ludhiana, Punjab, has been at the forefront of the renewable energy industry. We provide turnkey solar on-grid systems ranging from 1kW to 500kW and trade essential solar components nationwide. With a highly qualified team, including a founder trained from IIT Mumbai and ITI Delhi, we have solidified our presence as a trusted name in the solar sector. Our dedication to quality, backed by a 2-year warranty on SPDs and MCBs, ensures customer satisfaction and peace of mind.

KEY MILESTONES

Installed over 5 MW of solar power across regions

Active in Chandigarh, Punjab, Haryana, Himachal Pradesh, and Jammu

Team of over 15 skilled professionals

MC4 CONNECTORS



MC4 connectors are essential for solar panel installations, known for their ease of use, reliability, and safety.

APPLICATIONS:

- ⚡ Solar Panel Connections
- ⚡ Battery Storage Systems

BENEFITS:

- ⚡ Easy Installation
- ⚡ Durable & Reliable

KEY FEATURES:

- ⚡ **Push-in Connection:** Simple & tool-free installation.
- ⚡ **High Voltage Rating:** Supports up to 1500 volts.
- ⚡ **Weatherproof:** Designed for outdoor conditions.
- ⚡ **Safety Features:** Built-in polarity protection.

AVAILABLE IN VARIOUS VOLTAGE & AMPERE RATINGS

We offer a wide range of MC4 connectors to meet different system needs, with options across multiple voltage and ampere ratings, including specialized types for diverse applications.

TYPES OF MC4 CONNECTORS AVAILABLE:

- ⚡ MC4 Panel Connectors
- ⚡ MC4 1500V (available in 30A and 60A options)
- ⚡ MC4 Inline Fuse Connectors (available for 1000V & 1500V systems)
- ⚡ MC4 Series: T2, T3, T4, T5, T6
- ⚡ MC4 Y-Series: Y2, Y3 (for parallel connections)

Our extensive selection of MC4 connectors is designed to support various setups, providing dependable connectivity for both small and large-scale solar projects.

ADDITIONAL TOOLS AVAILABLE

- ⚡ **MC4 Spanners:** Easily open & close MC4 connectors for quick installation & maintenance.
- ⚡ **MC4 crimping:** Ensures quick & secure crimping of MC4 pins with ease.



SURGE PROTECTION DEVICES (SPDS)

Surge Protection Devices (SPDs) are essential for protecting solar on-grid systems from voltage spikes caused by lightning, power fluctuations, and other external factors.

KEY FEATURES

- ⚡ **Surge Protection**
Diverts excess voltage to prevent damage.

⚡ **High-Quality Components**
Built with copper components and a 4.9mm MOV thickness, meeting safety standards.
- ⚡ **Dual Protection**
Available for both DC & AC sides of the system.

⚡ **Warranty**
Comes with a 2-year warranty.
- ⚡ **Flame-Retardant Housing**
Ensures safe operation in extreme conditions.

Our SPDs are rigorously tested to ensure reliability, offering robust protection for both small and large-scale solar installations.

APPLICATIONS:

- ⚡ **Solar Panel Protection:** Shields panels from lightning-induced surges.

⚡ **Inverter Protection:** Extends the life of expensive inverters.

⚡ **Wiring & Device Protection:** Prevents damage to wiring and connected devices, reducing fire hazards.

TYPES OF SPDS AVAILABLE:

DC SURGE PROTECTION:	DC 600V 2P	AC SURGE PROTECTION:	AC 320V 2P
	DC 1000V 3P		AC 320V 4P

DC 600V 2P



DC 1000V 3P



AC 320V 2P



AC 320V 4P



FUSE AND FUSE HOLDER

Our fuse and fuse holders are essential components for protecting electrical circuits in solar power systems and other applications. Designed for reliability and durability, they prevent damage from overcurrent, ensuring optimal performance.

KEY FEATURES

- ⚡ **Fuse Ratings:** Options available from 15A to 32A for both 10x38 mm and 10x85 mm holders.

⚡ **Flexible Mounting:** Designed for easy mounting on DIN rails, panels, or other surfaces.
- ⚡ **Durable Material:** Made from flame-resistant ceramic or plastic for high performance.

⚡ **Secure Connections:** Features terminal connections for dependable wiring.

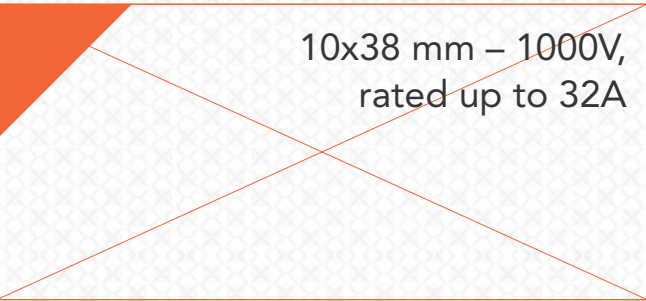
APPLICATIONS:

- ⚡ **Solar Power Systems:** Protects components in inverters and charge controllers.
- ⚡ **Automotive, Industrial, and Household Circuits:** Provides overcurrent protection across various applications.

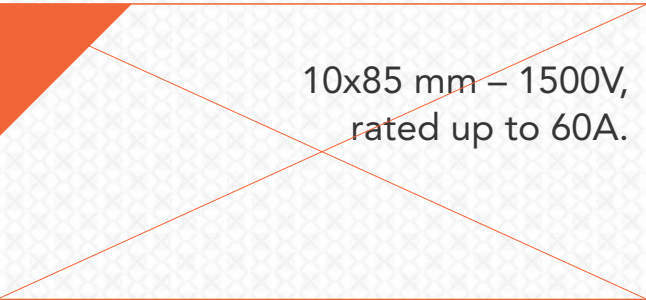
Our range of fuse and fuse holders ensures circuit protection for both small and large-scale setups, making them a dependable choice for any system.

TWO SIZES AVAILABLE

10x38 mm – 1000V, rated up to 32A



10x85 mm – 1500V, rated up to 60A.



MCB (MINIATURE CIRCUIT BREAKERS)

MCBs are essential electrical components designed to protect circuits from overloads, short circuits, & ground faults, ensuring safety & reliability in various applications.

MECHANICAL CHARACTERISTICS	Size Options	: 17.5 mm, 22.5 mm, 36 mm	ELECTRICAL CHARACTERISTICS	Rating	: 1A–100A
	Material	: Durable plastic or metal		Voltage	: 120/240V AC, 500V–1200V DC
	Terminal Type	: Screw, clip, or push-in		Frequency	: 50/60 Hz
	Operating Temperature	: -20°C to 60°C		Poles	: 2P–4P
				Breaking Capacity	: 3kA–10kA

PROTECTION FEATURES: & WARRANTY

- ⚡ Overload, short-circuit, and ground fault protection
- ⚡ Optional arc fault protection
- ⚡ **Warranty:** 2-year replacement

TYPES OF MCBS AVAILABLE:

⚡ AC MCB | DC MCB | DC MCCB

APPLICATIONS:

- ⚡ Residential, commercial, and industrial electrical systems
- ⚡ Solar power systems (on-grid/off-grid)

IMPORTANT CONSIDERATIONS:

Load type, cable size, ambient temperature, system voltage, and frequency.



STRUCTURE AND ACCESSORIES

Our structure and accessory range supports solar installations with durable and customizable components designed for reliability and precision.

Mid/Z Clamps

Material : Aluminium alloy 6063 T6 (hardened)

Thickness : 3 mm

Length : 60 mm – 90 mm (customizable)

SS Nut Bolts

Types : Hex, Allen key, anti-theft, washers

Thickness : M6–M10, Length: 20 mm –100 mm (customizable)

Mono Rails

Material : Aluminium alloy 6063 T6 (hardened)

Thickness : 1.6 mm – 3 mm

Dimensions : Height: 40 mm–100 mm, Width: 80 mm, Length: 100 mm–500 mm (customizable)

Base Plates / Degree Angles / Jointers Materials:

Zinc or hot-dip galvanized, compatible with C-clip & strut channels

ACDB (AC DISTRIBUTION BOARD) AND DCDB (DC DISTRIBUTION BOARD)

ACDB & DCDB are critical components in power management systems, designed for efficient and safe distribution of alternating current (AC) and direct current (DC) power. They ensure protection and reliability in various setups, including renewable energy systems, industrial applications, and telecommunication networks.

ACDB SPECIFICATIONS

⚡ Single-Phase ACDB:

Current Rating : 16A–63A
MCB : 2P
Enclosure : Plastic or Metal

⚡ Three-Phase ACDB:

Current Rating : 32A–63A
MCB/MCCB : 4P
Enclosure : Plastic or Metal

DCDB SPECIFICATIONS

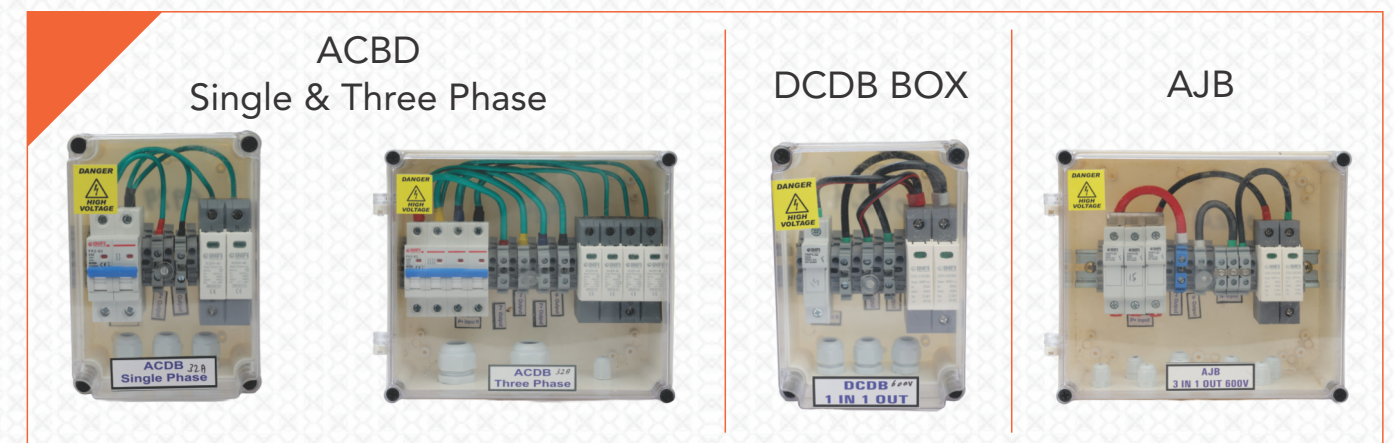
⚡ DCDB Box Range:

Configurations : From 1 in 1 out to 20 in 20 out
Voltage Ratings : 600V - 1500V systems
Fuse Ratings : 15A–30A
Enclosure : Plastic or Metal

AJB SPECIFICATIONS

⚡ AJB Range:

Configurations : From 2 in 1 out to 20 in 1 out
Voltage Ratings : 600V - 1500V systems
Fuse Ratings : 15A–30A
Enclosure : Plastic and Metal



ACDB Applications:

- ⚡ Residential, commercial, & industrial power distribution
- ⚡ Renewable energy systems (AC-side management)
- ⚡ Backup and emergency power systems

DCDB Applications:

- ⚡ Solar on-grid/off-grid systems
- ⚡ Telecommunications and data centers
- ⚡ Industrial control systems & UPS systems

AJB Applications:

- ⚡ Renewable energy systems (solar array connections)
- ⚡ Optimized power flow in solar installations

WHY CHOOSE OUR ACDB/DCDB/AJB SOLUTIONS?

- ⚡ Customized Designs**
Tailored to meet diverse power distribution requirements.
- ⚡ Premium Materials**
High-quality metal and plastic enclosures for longevity.
- ⚡ Safety First**
Advanced protection features for secure operations.
- ⚡ Technical Support**
Backed by a professional support team for installation and maintenance guidance.
- Optimize your power management systems with our ACDB, DCDB, and AJB solutions, designed to deliver reliability and efficiency in every application.

PRODUCT – EARTHING AND LIGHTNING ARRESTORS (LA) :

Ensure system safety with our high-quality earthing solutions and lightning arrestors designed for efficient grounding and protection against voltage surges.

Earthing Products	
⚡ Earthing Rods: Types : GI, pure copper, copper-bonded Thickness : 48 mm–75 mm Length : 1 m–3 m	⚡ Solid Copper-Bonded Rods: Thickness : 16 mm Length : 1 m – 3 m ⚡ Conductors: Aluminium strips, copper/aluminium wires (4 sq mm–70 sq mm)

Lightning Arrestors (LA):	
⚡ Conventional LA: Material : Copper-bonded Thickness : 14 mm, Length : 1 m – 2 m Radius : 5 m	⚡ ESE LA (Early Streamer Emission): Material : Stainless steel Radius : Up to 107 m Length : 1 m–5 m ⚡ Certification: CPRI certified

ELECTRICAL ACCESSORIES

Explore our range of high-quality electrical accessories designed for efficient cable management, safe connections, and durable enclosures.

PRODUCT RANGE:

- ⚡ RYB LED Indicators**
 - Displays Red, Yellow, Green for clear status indication.
 - Voltage ratings: 12V, 24V, 120V.
 - Ideal for panels, automation systems, and PDUs.
- ⚡ Cable Ties**
 - Types: Nylon (UV-protected black, white).
 - Sizes: 100mm to 500mm.
 - Applications: Electrical panels, construction, aerospace.
- ⚡ PVC Cable Tray**
 - Sizes: 50x45mm, 40x60mm (HxW).
 - Organizes wires, reducing clutter effectively.
- ⚡ Cable Glands**
 - Secures cables and prevents moisture ingress.
- ⚡ Thimble Lugs**
 - Types: Copper, Insulated (pin/ring).
 - Sizes: 2.5mm² to 16mm².
 - Applications: Panels, renewable energy, industrial systems.
- ⚡ End Stoppers**
 - Provides stability and ensures proper wiring.
- ⚡ Enclosure Boxes**
 - Materials: PC/ABS, IP67 certified.
 - Sizes: 180x130x100mm to 640x420x210mm.
 - Protects electrical components from external damage.
- ⚡ DIN Rail**
 - Essential for mounting terminal blocks and components.
- ⚡ Terminal Blocks**
 - Sizes: 4mm² to 70mm².
 - Applications: AC/DC panels, junction boxes.

WIRES	⚡ PVC Wires (AC)	⚡ DC Wires
	<ul style="list-style-type: none">➤ Material: Copper/Aluminium.➤ Sizes: 0.75mm² to 100mm², 1C to 4C.	<ul style="list-style-type: none">➤ Material: Tinned Copper, double insulated.➤ Sizes: 2.5mm² to 25mm², 1C.➤ Voltage: 1500V.

WHY CHOOSE US?

- Customization available for all products.
- Premium materials ensuring durability and reliability.
- Versatile applications across industries.