Medium Voltage Products
Providing solutions for the solar industry
ABB Medium Voltage Products in solar
From the inverter to the grid connection

Grid Connection

- Modular systems: eHouses, skid-mounted substations
- Gas-insulated primary switchgear: ZX product family
- Air-insulated primary switchgear: UniGear product family, UniGear Digital
- Air-insulated secondary switchgear: UniSec
- Medium voltage circuit breakers: VD4, ADVAC™, AMVAC™
- Outdoor circuit breakers: R-MAG® (dead-tank), OVB-VBF (life-tank)
- Recloser: GridShield®
- Relays: Relion® family, REG615
- Service: Extensions and upgrades, installation and commissioning, spare parts

Power Collection

- Modular Systems: Compact Secondary Substations, Secondary Skid Units, Secondary Enclosed Units
- Gas-insulated secondary switchgear: SafeRing / SafePlus
- Air-insulated secondary switchgear: UniSec
- Recloser: GridShield
- Switch-disconnector: NALF
- Relays: Relion family
- Fuses
- Service: Extensions and upgrades, installation and commissioning, spare parts
Medium voltage solutions
Power Collection and Grid Connection

Power Collection

The Power Collection product portfolio is designed to collect power from the solar strings and transform it to suitable AC medium voltage power.

- Green and eco-efficient
- Compact footprints
- Economic solutions
- Shorter installation times
- Factory tested
- Safety oriented
Medium voltage solutions
Power Collection and Grid Connection

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Modular Systems
Compact Secondary Substation

Switchgear
SafeRing / SafePlus

Control & Protection Components
Relion protection relays

Service
For reliability and availability
The Grid Connection product portfolio is designed to collect AC power from multiple Power Collection points and connect them to the grid.

- Minimized engineering time
- Lower site installation time
- Pre-assembled and tested resulting in reduced commissioning time
- Products designed specifically for the local utility applications and standards
- Minimized engineering time
Medium voltage solutions
Power Collection and Grid Connection

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Modular Systems
- eHouse

Switchgear
- UniGear

Control & Protection Components
- R-MAG

Service
For reliability and availability
Secondary Enclosed Unit
Solar Power Collection application
Innovation in action: Solar installations in the Philippines
Addressing rising peak challenges through renewable energy solutions

Powering the largest solar farm in the country’s main island of Luzon
Flexibility through customization in Switzerland

Convenient, turnkey solution combined with project support

Customized solution for the largest solar plant in Switzerland
Ramping up for growing solar needs in India

Smart solution for green energy

Powering 250 MW Ghani solar Park in Andhra Pradesh, India
Ramping up for growing solar needs in India

Smart solution for green energy

Facilitating 150 MW power evacuation at Pavagada Solar Park, Karnataka