ASON

INDUSTRIAL SUPPLY COLLECTION

PHOTOVOLTAIC SYSTEMS

Solar Farms

PV modules, mounting structures and electrical balance-of-system for utility-scale and commercial solar power plants.



APPLICATION FOCUS

Utility-scale solar developers and EPC contractors / Industrial and commercial rooftop and ground-mount systems / Agriculture: pumping and irrigation

DISCUSS YOUR REQUIREMENTS

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Product enquiries & technical specifications

ASON

INDUSTRIAL SUPPLY COLLECTION

PHOTOVOLTAIC SYSTEMS

Product portfolio

Selected applications and indicative specifications

01 Solar Panels (PV Modules)

BRANDS TRINA, JINKO, LONGI

Uses: Utility-scale ground-mount solar farms; Industrial and commercial rooftop systems; Agricultural pumping and irrigation

Cell technology: mono PERC, TOPCon, HJT; poly (older, lower cost)

Power class: typically 400-720 Wp per module

02 Solar Mounting Structures

Uses: Fixed-tilt ground-mount arrays; Rooftop rail and ballast systems; Carports and shade structures

Material: S235 / S355 structural steel, HDG; Zn-Al-Mg coated steel option

Coating: hot-dip zinc, typically 70-85 um (ISO 1461) or higher for aggressive soil



03 Balance of System: Protection, Switchgear & Transformers

BRANDS ABB, SIEMENS, SCHNEIDER, CHINT

Uses: DC string protection and combiner boxes; Inverter-side AC distribution; MV collection and step-up transformation

Chain: Modules > DC combiner > inverter > MV transformer > grid

Indicative yield: about 1,400-2,000 kWh per kWp per year, depending on irradiation

Indicative ranges; final selection depends on the application and manufacturer.

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