

Bring **solar** energy
to the grid in record time.



designed to be better.™

 **legrand**®

FAS Rack™ ground mount PV Panel supports that are built to last – **and install fast.**



Our Systems Meet UL 2703 Bonding Requirements.

Utility grade photovoltaic installations and thermal collectors have stringent specifications and construction schedules that require innovative approaches to constructing large-scale solar arrays.

Legrand designed its **FAS Rack™** system to install faster in the field with a system of pre-fabricated components that helps to compress your installation timetable.

FAS Rack is built for the long haul. Its all **steel** construction is engineered and tested to withstand extreme wind and snow loads. Most components are **hot dipped galvanized** for decades of corrosion protection. Plus, all hardware is RoHS compliant so the entire system contributes to **LEED points**.

PRE-FABRICATED COMPONENTS

FAS Rack grid tables are pre-fabricated in our factory to your specifications and arrive at the job-site ready to install. This eliminates “stick built” construction methods that drive up job-site labor costs.

LARGER, FEWER GRID TABLES

Grid tables can support from 5 to 8 utility sized panels in a single row or 10 to 16 panels in a double row.

WIND TESTED

Aluminum clips and self-threading screws make panel installation fast. FAS Rack is panel pullout tested to over 4000 lbs.

STEEL CONSTRUCTION

All steel, welded construction is designed to handle extreme static and wind loads surpassing the performance of aluminum supports.

STEEL CABLE MANAGEMENT

FAS Rack incorporates wire mesh tray keeps cables managed and is more durable than degradable plastic cable ties.

DESIGNED FOR THERMAL FORCES

Unique splicing design allows for thermal expansion and contraction that is prevalent in long rows of PV panels.

EASY TO ASSEMBLE

All components feature built-in positioning tabs, slotted mounting holes and other design features to reduce critical-fit complexity for faster installation.

GROUNDING

FAS Rack is a continuous system so no grounding straps are required.

COMBINER BOX MOUNTING

FAS Rack offers a sturdy mount to support combiner boxes and projects the box away from the framing for easy accessibility.



FAS Rack™ reduces on-site racking labor **up to 75%**



View the FAS Rack™ video using your mobile device

FAS Rack is pre-engineered for your specific project and can be installed with a two-man crew using simple tools. Pre-fabrication reduces field assembly time and weather-related delays.

1 Pier and Pier Cap Installation:

Piers and pier caps are shipped first to begin the installation process. Installation requires only a two-man crew using simple tools. Depending on your load, piers are usually installed 10' to 13' on center.



2 Array Tables:

FAS Rack array tables are factory-welded to dramatically reduce on-site assembly time and expense compared to "stick built" supports. Array tables are neatly stacked for reduced shipment and delivery cost.



3 Securing Array Tables:

Patent pending strut-stop design ensures correct placement to the pier caps and special mounting hardware secures the array table to the pier cap. Design allows thermal expansion and contraction.



4 Splicing Array Tables:

Array tables are joined with a slotted splice kit that allows expansion and contraction. All mounting screws are included.



5 Mounting Photovoltaics:

Array tables are made to your panel specifications and help position panels. Self-tapping screws and hardware quickly secure photovoltaic panels additionally reducing field assembly time.



6 Cable Management:

G-Mini wire mesh cable pathway mounts directly to array tables, and allows cables to enter and exit the tray at any point. Steel cable tray lasts, while plastic cable ties age and fail.



FAS Rack™ Typical Installation



Use this example as a guide only. Legrand will help you with a custom solution to suit your specific needs.

How to Order

Use our online quoting tool to find out how much you can save using FAS Rack today!
www.Legrand.us/solarrfq.



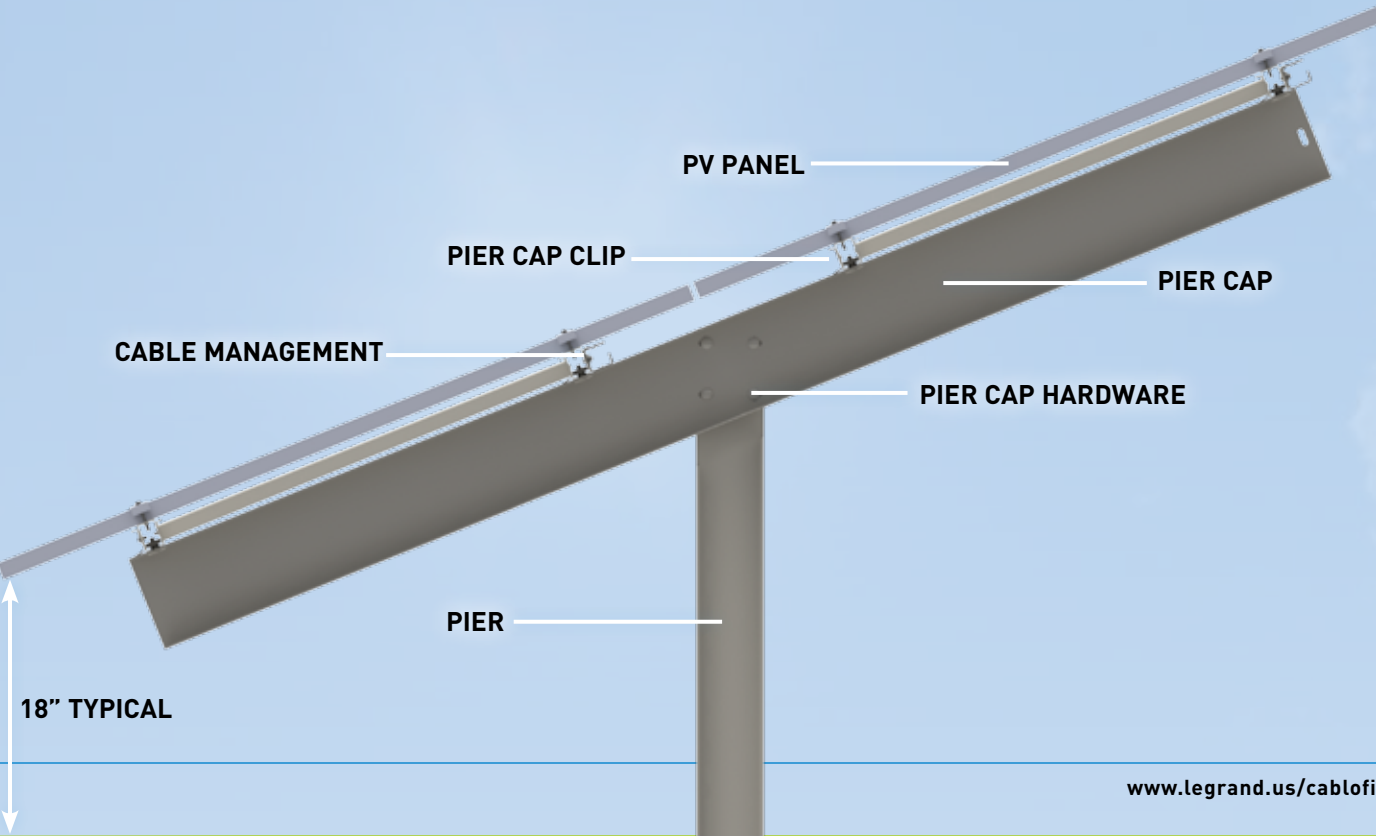
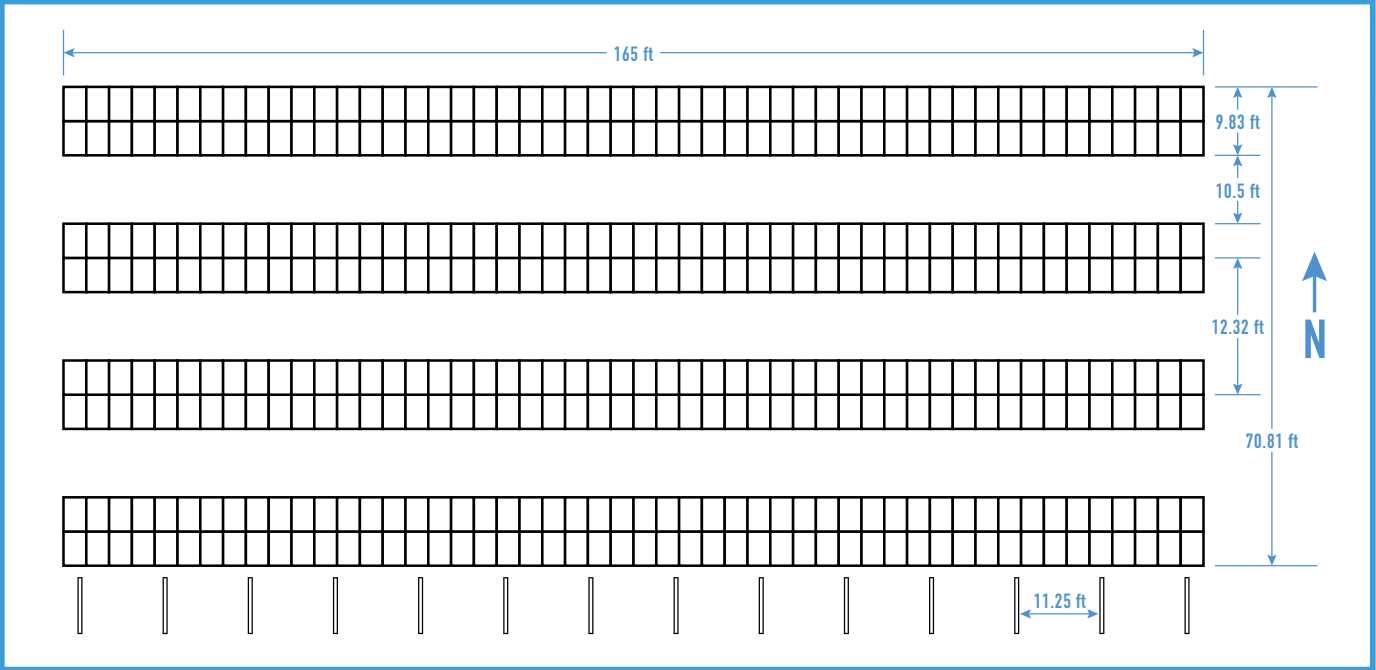
SPECIFICATIONS

Layout	2 Rows Portrait
Project Size	0.1 Mw DC, 100Kw
Project Module Count	400
Specified Module	Unknown 250 W, 39"x65"
Tilt Angle	25 degrees
Wind Speed	90 mph
Snow Load	20 lbs./sq. ft.

BILL OF MATERIALS

	Description	Qty.
	SP7 Table	58
P800555	Splice Plate 2	232
P800516	Splice Bolt	928
	Pier Cap	64
P800500	Pier Cap Clip Assembly	256
P800518	1/4"x 2-1/2" Panel Bolt	928
P800552	Panel Hold Down "T" Clip	696
P800553	Panel Hold Down "L" Clip	232
P800567	Pier Cap Hardware 1/2" G5	64

TYPICAL SOLAR FARM INSTALLATION





Legrand is the world specialist in electrical products and systems for use in residential, commercial and industrial buildings. In 2011 we instituted an environmental management system bringing our practices in accordance with ISO 14001 and to reduce our energy intensity across our factories, warehouses and offices as a Partner to the President's Better Buildings, Better Plants Challenge.

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