

BILL OF MATERIALS

Name: dfdf
Number: ADJ5K2
2025-05-13



Project Information

Location:

Project Name	Region	Location
dfdf	Alberta	Calgary

Inputs:

Wind Pressure:	0.5 kPa	Snow Pressure:	1.1 kPa	Rain Pressure:	0.1 kPa
Building Height:	30 feet	Roof Slope:	10:12	Truss Spacing:	24"
Terrain:	Rough	Importance Factor:	Low	Roof Type:	Shingled
Roof Mounts:	Flashing Kit with Single 4" Self Drilling Screw	Panel Manufacturer:	LONGi	Panel Model:	LR5-54HPB-410M
Panel Length:	67.79"	Panel Width:	44.64"	Panel Depth:	30mm
Panel Watts:	410 W	Total Watts:	11 KW	Total Panel Count:	28
Panel Mounting Style:	Conventional Rail(Portrait and Landscape Orientations)	Cable Raceway:	no	Microinverters:	yes
Rodent Guard:	yes	L-Bracket Size:	3" L-Bracket Kit (Default)	Rodent Mesh Attachment:	6 Inch Mesh Kit
				Distributor ID:	3755

Array #A Details:

Array (Rows x Cols)	Row	Orientation	Module Layout
A (2 x 14)	1	portrait	0 0 0 0 0 0 0 0 0 0 0 0 0 0
A (2 x 14)	2	portrait	0 0 0 0 0 0 0 0 0 0 0 0 0 0
Total Panel Count: 28			

Module Layout Legend:

- 0 = Module
- = De-activated module

Array #A Rails

Rail #	Coverage	Type	Length ft.	Length in.	Length cm.	Rails Composition
0	Supports 14 modules	Conventional	52' 11"	635"	1613cm	140" * 2 , 185" * 2
1	Supports 14 modules	Conventional	52' 11"	635"	1613cm	140" * 2 , 185" * 2
2	Supports 14 modules	Conventional	52' 11"	635"	1613cm	140" * 2 , 185" * 2
3	Supports 14 modules	Conventional	52' 11"	635"	1613cm	140" * 2 , 185" * 2

The rail positions are to be read from top to bottom.
When 2 or more consecutive modules are removed from the same row, then the rails are read left to right.

Bill of Materials:

Part Number	Description	Spares	Total Qty
KMWC3046-MM	Mid Clamp		52
KCMT-1	Edge Clip Cable Tie		104
KHMNS-MA	Micro Inverter Mounting Kit - Side		28
KHRG6K-M	The Rodent Guard Kit		2
KJS2-MA	Joiner Kit for Any Rail Finish		12
KHGLUG-A	Kinetic Ground Lug for Any Rail Finish		2
KLB3-MM	3" L Bracket Kit		56
KRCP-M	End Cover Plate for Rapid Rail		8
KFLK-4S	Flashing Kit with Single 4" Self Drilling Screw		56
KHS4500-B	Geocel 4500® Roof Bonding Sealant, Black		4
KRST-4	Fall Restraint for Shingled Roof - One per Person		1
KEC3046-MM-30	End Clamp		8
KRAPID1-140M	140" (11'-7") Long Rapid 1 Rail		8
KRAPID1-185M	185" (15'-4") Long Rapid 1 Rail		8

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Snow Load Roof Factor $C_s = 1.0$. For any roofs where there is a possibility of a snow drift forming over the array, please contact your distributor for guidance.