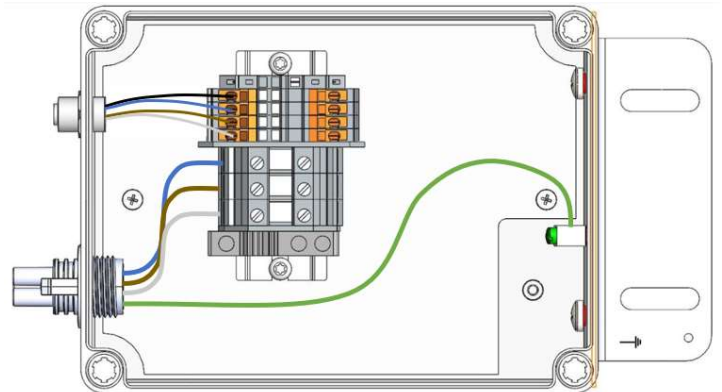




## SolPad Junction Box

- Mounts on roof-top array rail
- AC and communication cables from array plug directly into external ports
- Junction box is pre-wired between external ports and internal terminal blocks
- Supports an entire branch of up to four inverters and batteries serving 1-16 modules



## Power Cabling

- AC Power Cable (trunk cable)
- Battery Power Cable
- ZeRun connectors and error-proof plugs on inverters and junction boxes.
- Phoenix connectors used on the AC Power connections

## Communication Cabling

- Communication Cable (trunk cable)
- Battery Communication Cable
- Circular connectors and error-proof plugs on inverters, batteries, and junction boxes



## Junction Box Specifications

Model Number	SolPad part number: 810-00002
Dimensions	5.8" x 10.6" 4" (x/y/z)
Temperature Range	-22°C to 55°C
Compliance	Included in system certification: UL
External Ports	AC Power Cable, AC Com Cable
Internal AC Terminals	Phoenix screw connection; 3 pos; L1, L2, N: 12 AWG (max 6 AWG)
Internal Communication Terminals	Phoenix fast connection; 4 pos; 22 AWG (max 16 AWG)

## AC Power Cable and Battery Power Cable Specifications

Cable Length	AC Cable: Drop to Trunk End: 53" Battery Cable: 24"
Voltage Rating	600V
Cable temperature rating	-40°C to 90°C
Certification, Compliance	RoHS, UL44, UL1277, UL1581
Cable Insulator Rating	XLPE
Connector	AC Cable: 5-pin Phoenix Battery Cable: 4-Pin ZeRun

## Inverter and Battery Communication Cable Specifications

Cable Length	Inv Cable: Drop to Trunk End: 53" Battery Cable: 26"
Voltage Rating	300V
Cable temperature rating	105°C
Certification, Compliance	Water resistant, UV resistant
Compliance	UL20387 /
Cable Insulator Rating	Resistance: 10 MΩ/KM20°C
Connector	Inv Cable: Fine Cable, M12, 4-Pin Bat Cable: Fine Cable, M12, 8-Pin

## Cable Accessories

Terminator	Fine Cable: 4-pin Male Housing, M12, 120Ω
Sealing Cap	Phoenix, Female: 445-00012, Male: 445-00011
Cable Clips	Zip Tie: WIS12-3 / 50073651, Clip: dependent on rail supplier

