



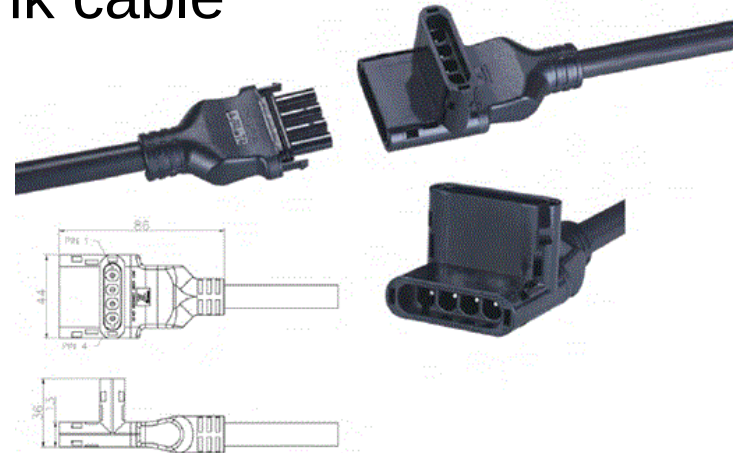
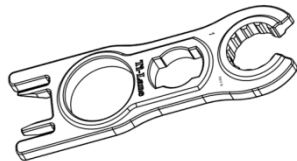
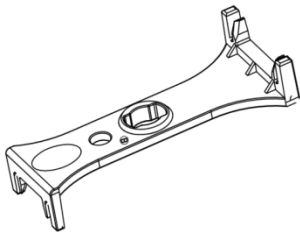
CABLING GUIDE

Suggested approaches for common configurations

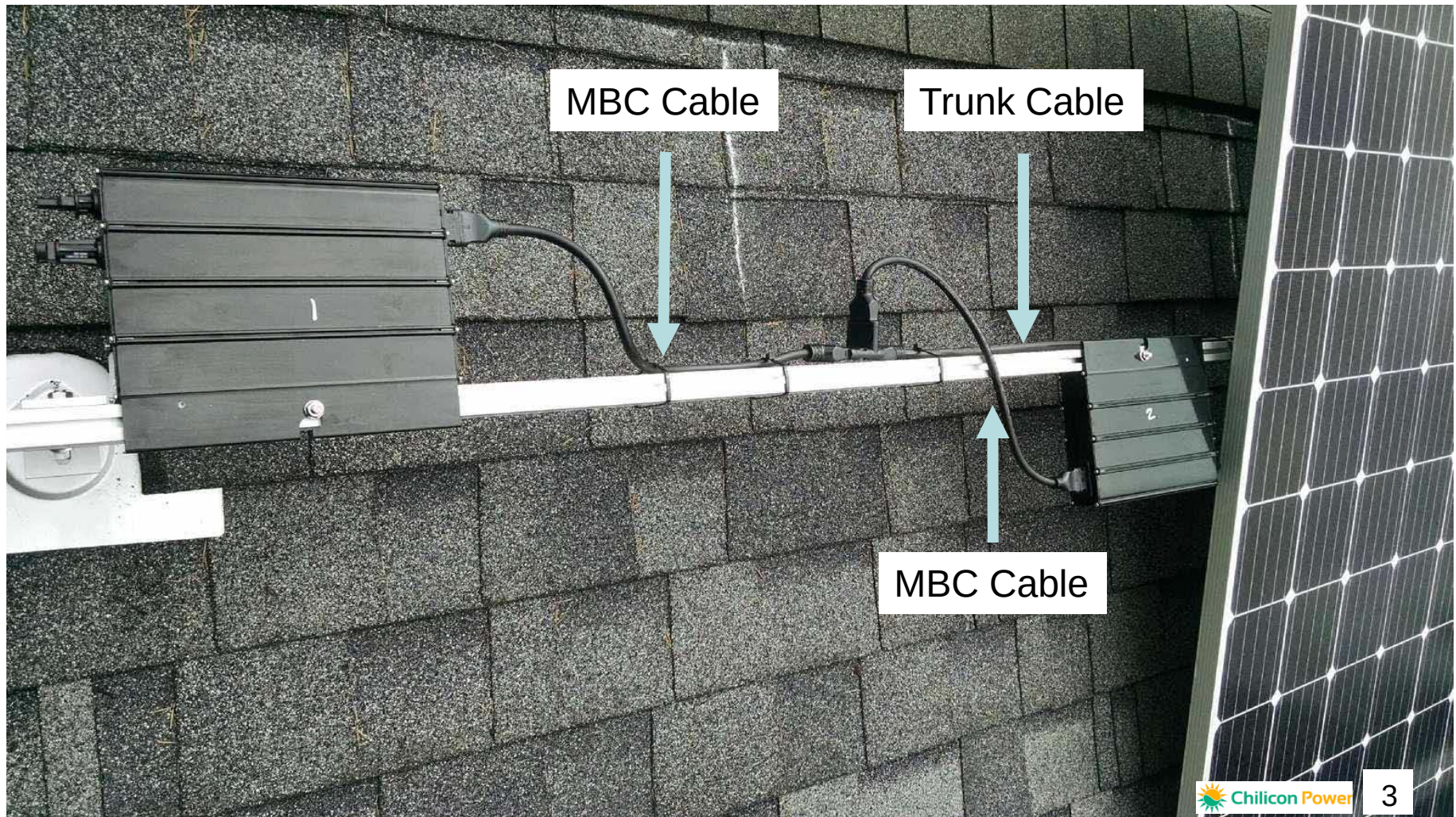
October 2019

CABLE & ACCESSORIES

- MBC – Modular Branch Cable
 - Connects each micro to the trunk cable
- MTC – Modular Trunk Cable
 - 1.025m, 1.7m & 2.15m
- MTC-JBOX – J-Box whip
- T6-WTRPRF male end cap
- AC & DC disconnect tools



MICROINVERTER CONNECTION TO TRUNK CABLE



LEGEND FOR COMMON CONFIGURATIONS PAGES

PART

COLOR CODE

Microinverter MBC Cable



MTC-1.025



MTC-1.7



MTC-2.15



MTC-JBOX (whip)



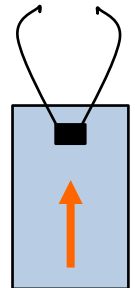
T6-WTRPRF (male end cap)



CP-720 (microinverter)

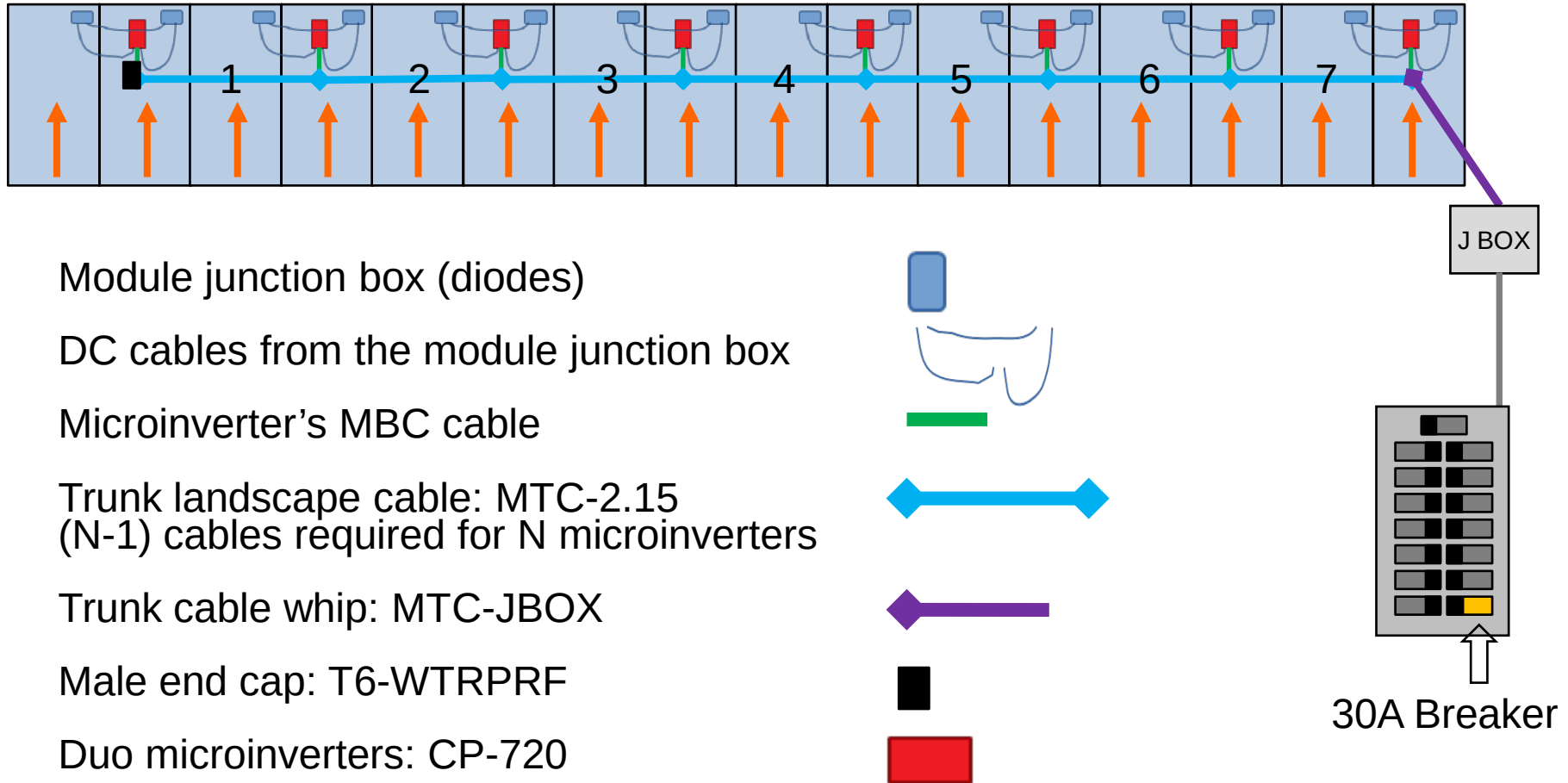


CP-250E (microinverter)

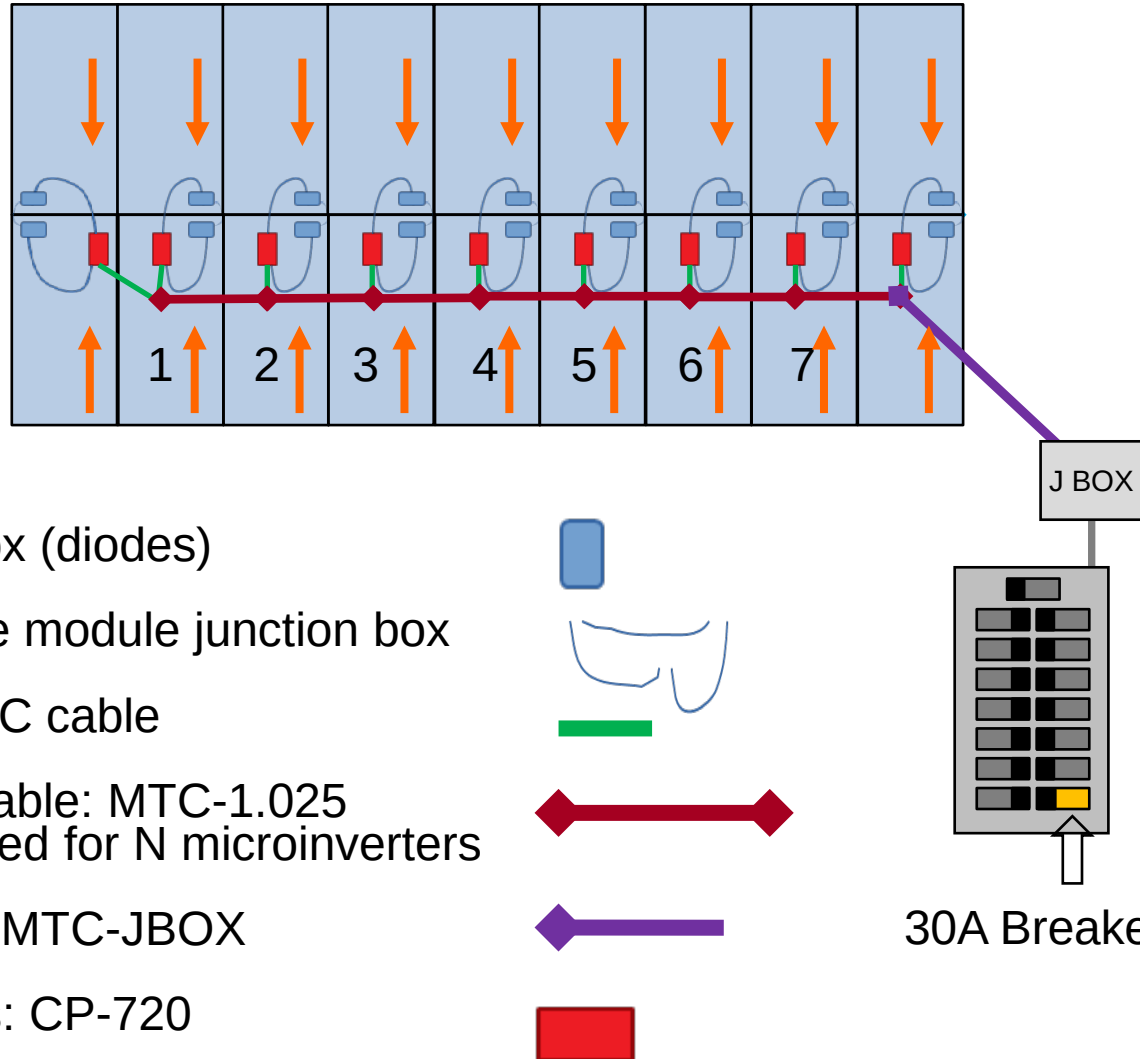


Module orientation

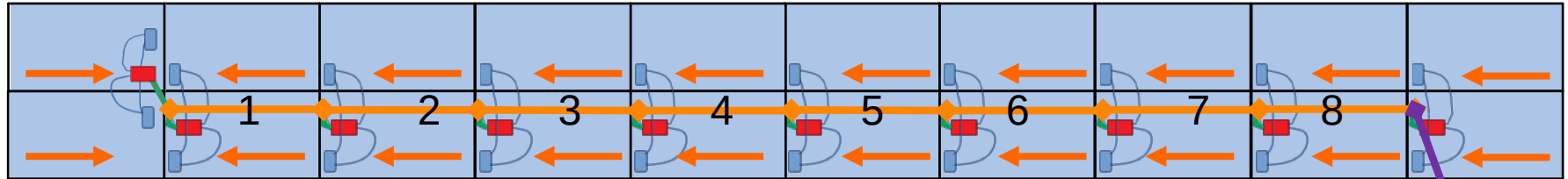
C60 OR 72 CELL PORTRAIT-ONE ROW



C60 OR 72 CELL PORTRAIT-TWO ROWS



60 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

DC cables from the module junction box

Microinverter cable MBC
(one required for each microinverter)

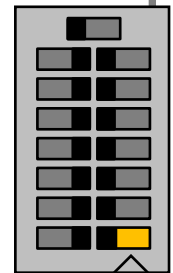
Trunk landscape cable: MTC-1.7
(N-2) cables required for N microinverters

Trunk cable whip: MTC- HR-JBOX

Duo microinverter: CP-720

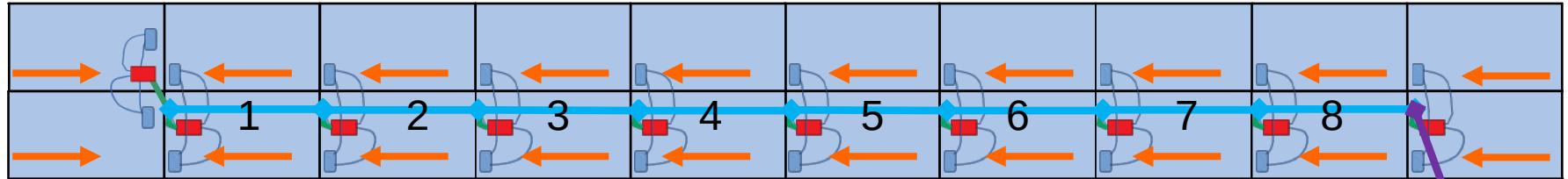


J BOX



30A Breaker

72 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

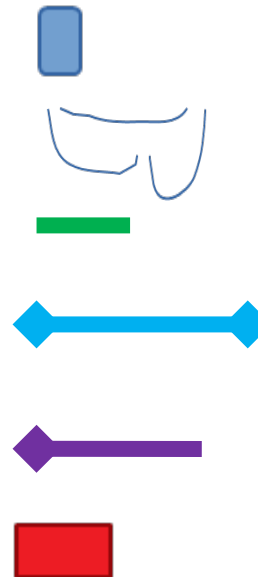
DC cables from the module junction box

Microinverter cable MBC

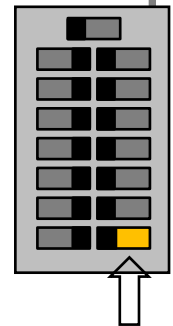
Trunk landscape cable: MTC-2.15
(N-2) cables required for N microinverters

Trunk cable whip: MTC-JBOX

Duo microinverter: CP-720

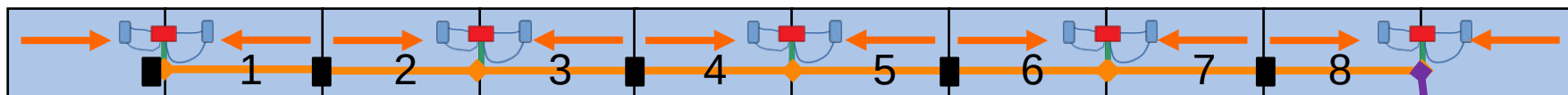


J BOX



30A Breaker

60 CELL LANDSCAPE-ONE ROW



Module junction box (diodes)

DC cables from the module junction box

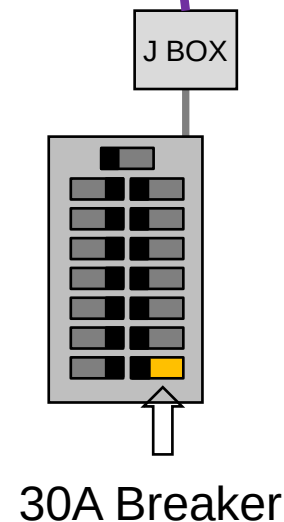
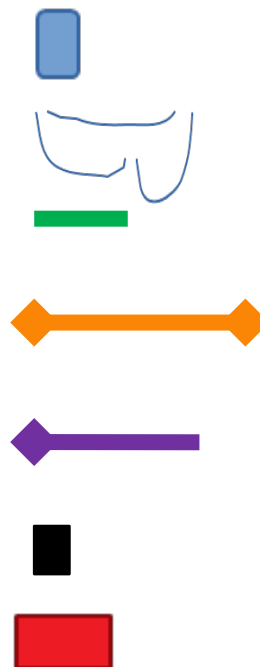
Microinverter's MBC cable

Trunk landscape cable: MTC-1.7
 $2(N-1)$ cables required for N microinverters

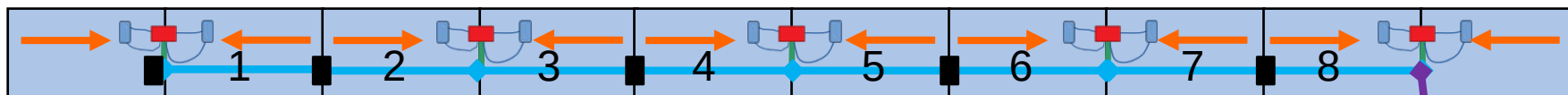
Trunk landscape whip: MTC-JBOX

Male end cap: T6-WTRPRF
 (N) caps required for N microinverters

Duo microinverter: CP-720



72 CELL LANDSCAPE-ONE ROW



Module junction box (diodes)



DC cables from the module junction box



Microinverter's MBC cable



Trunk landscape cable: MTC-2.15
2(N-1) cables required for N microinverters



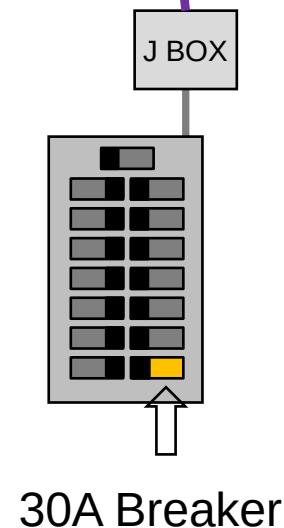
Trunk cable whip: MTC-JBOX



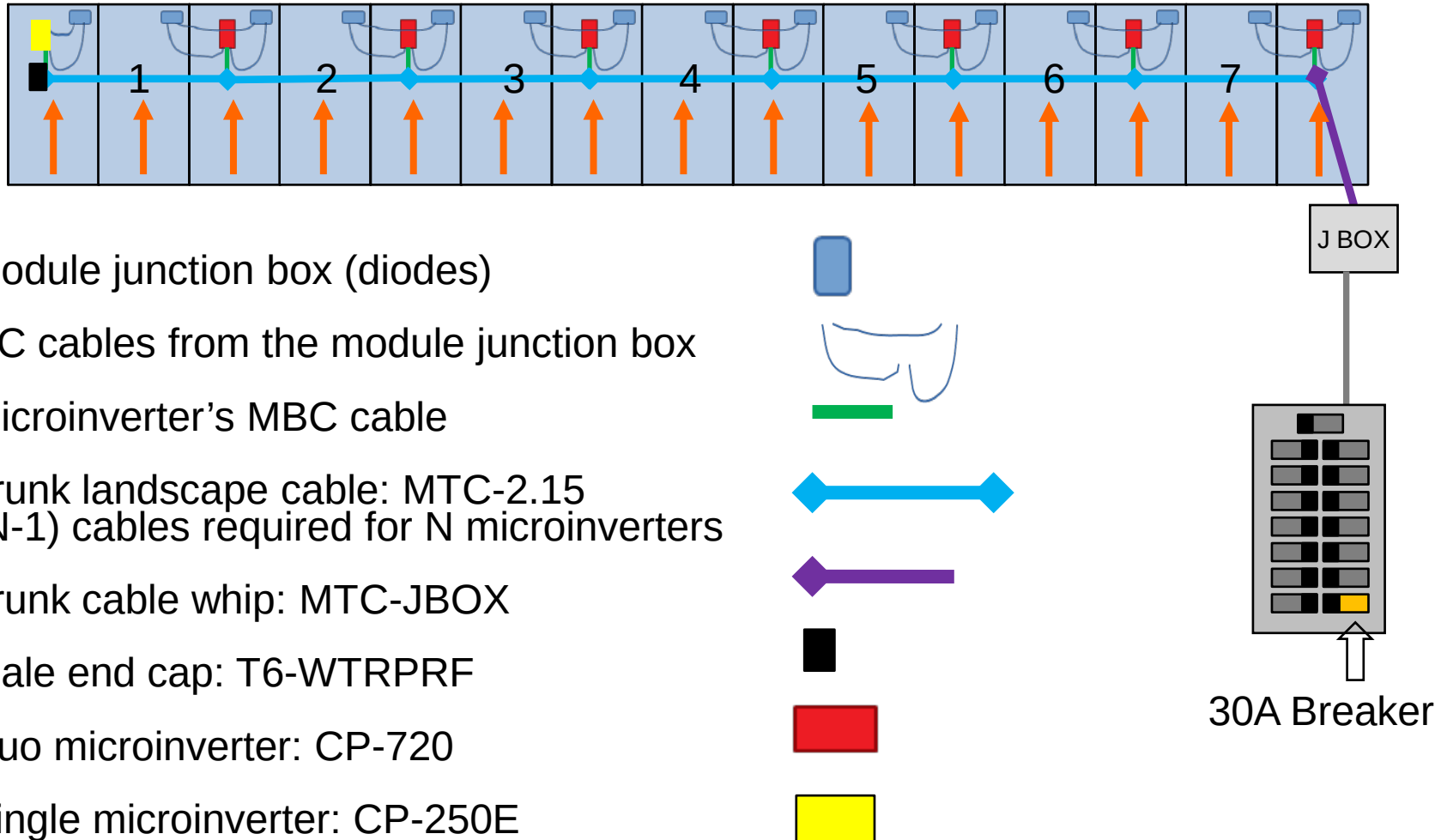
Male end cap: T6-WTRPRF
(N) caps required for N microinverters



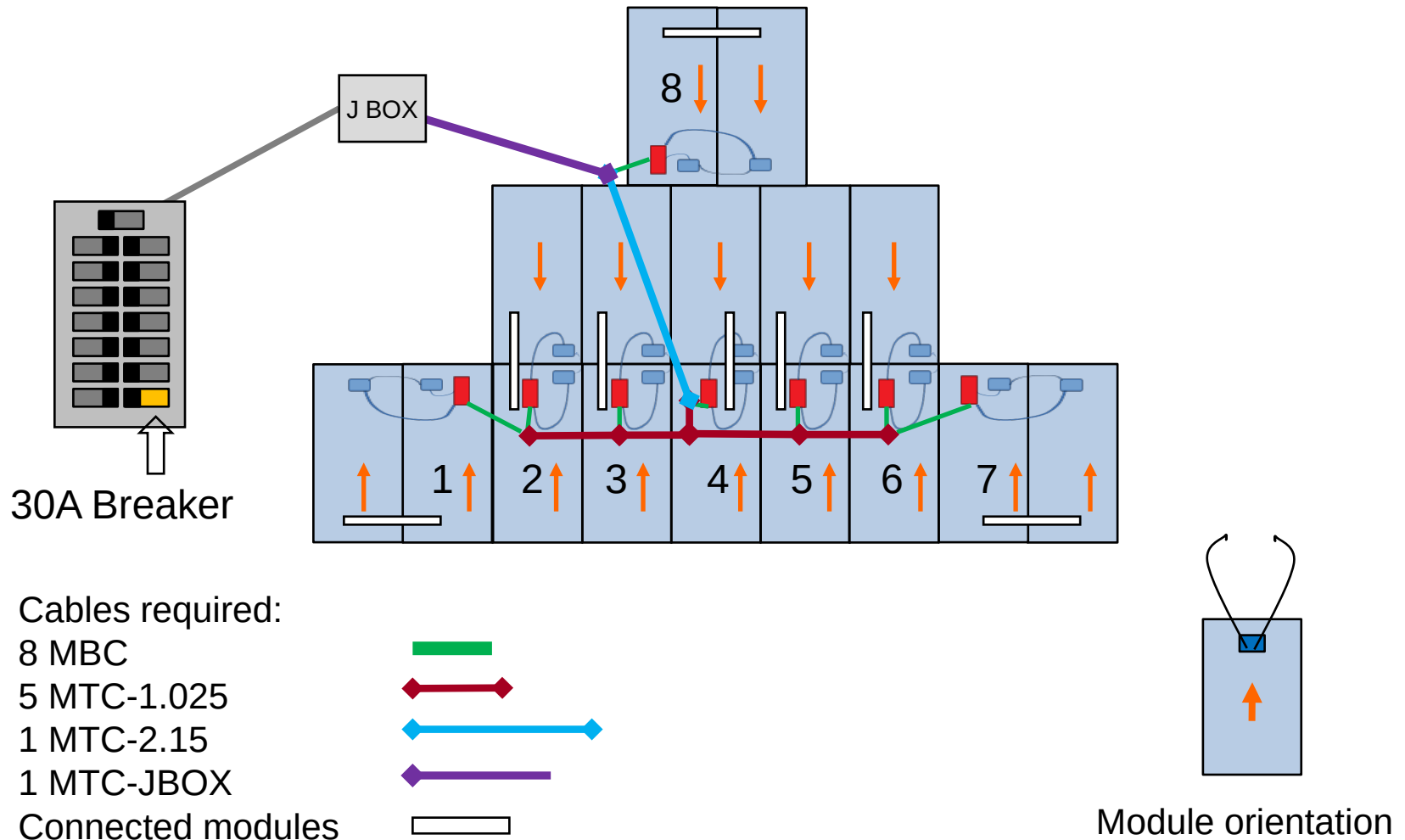
Duo microinverter: CP-720



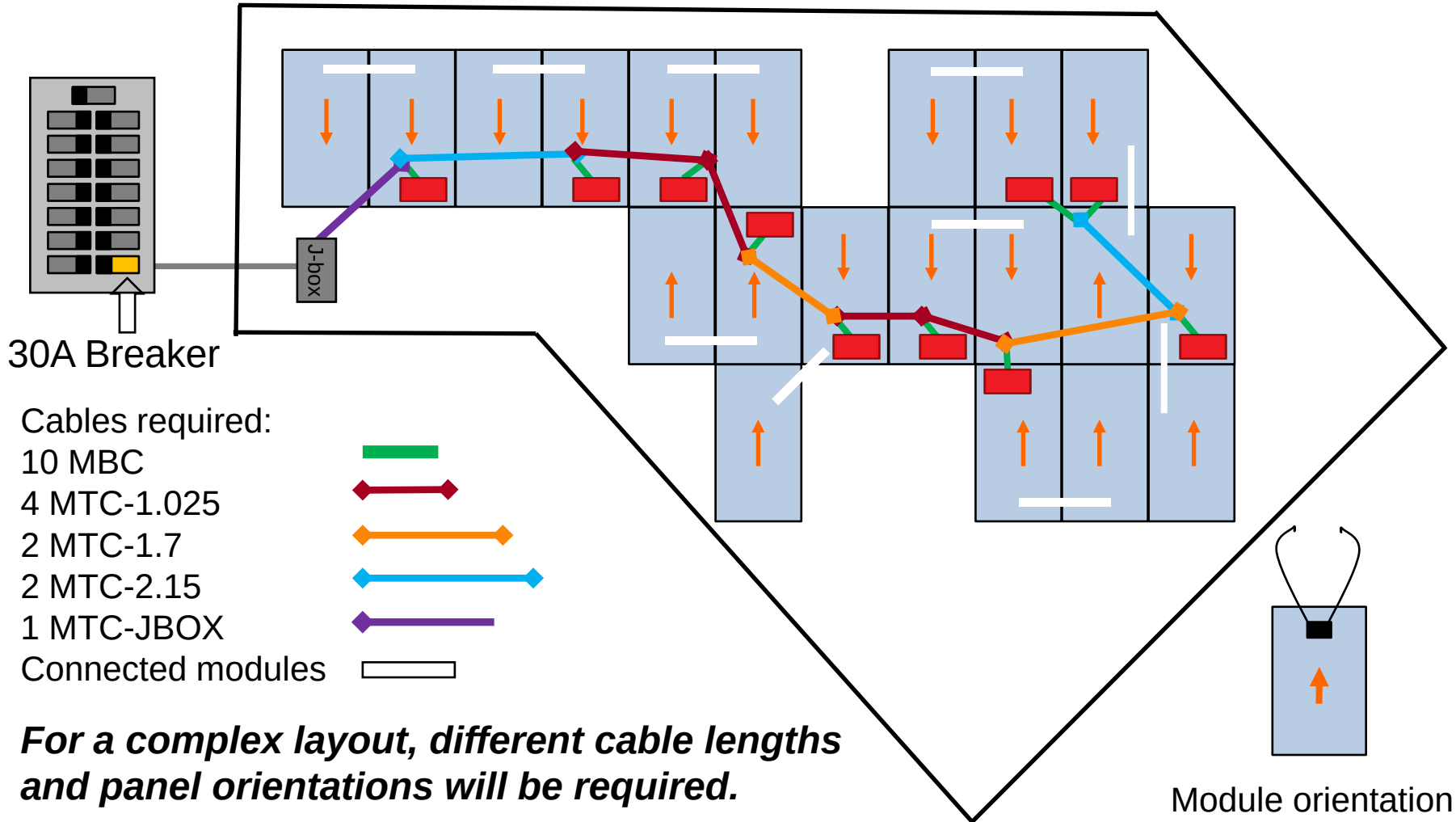
60 OR 72 CELL PORTRAIT-ONE ROW -ODD PANEL COUNT



60 OR 72 CELL PORTRAIT “INVERTED T” CONFIGURATION



60 OR 72 CELL - COMPLEX LAYOUT



For a complex layout, different cable lengths and panel orientations will be required.

Contact Chilicon Power at (310) 579-2449 if you require assistance.