



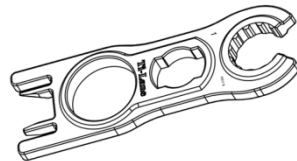
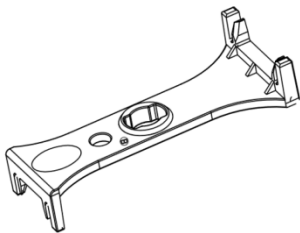
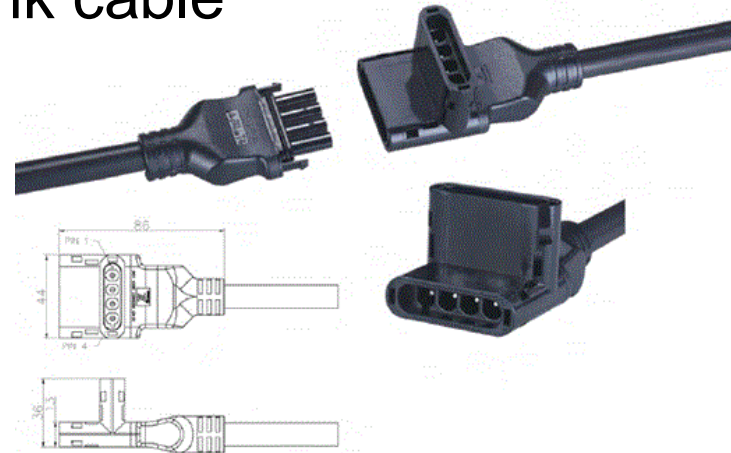
# ***CABLING GUIDE***

***Suggested approaches for common configurations***

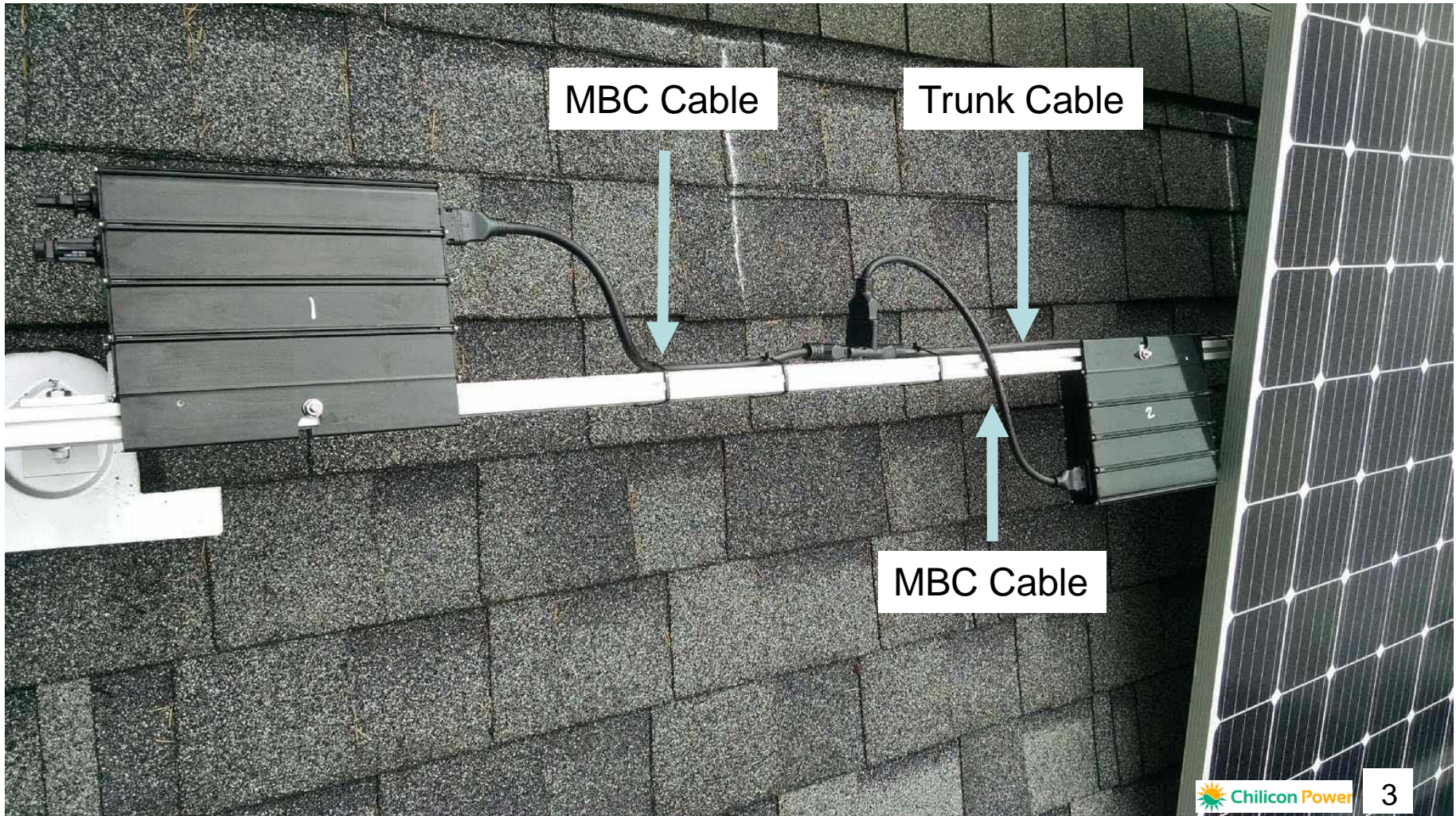
October 2019

# ***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)



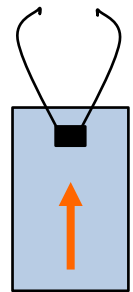
T6-WTRPRF (male end cap)



CP-720 (microinverter)

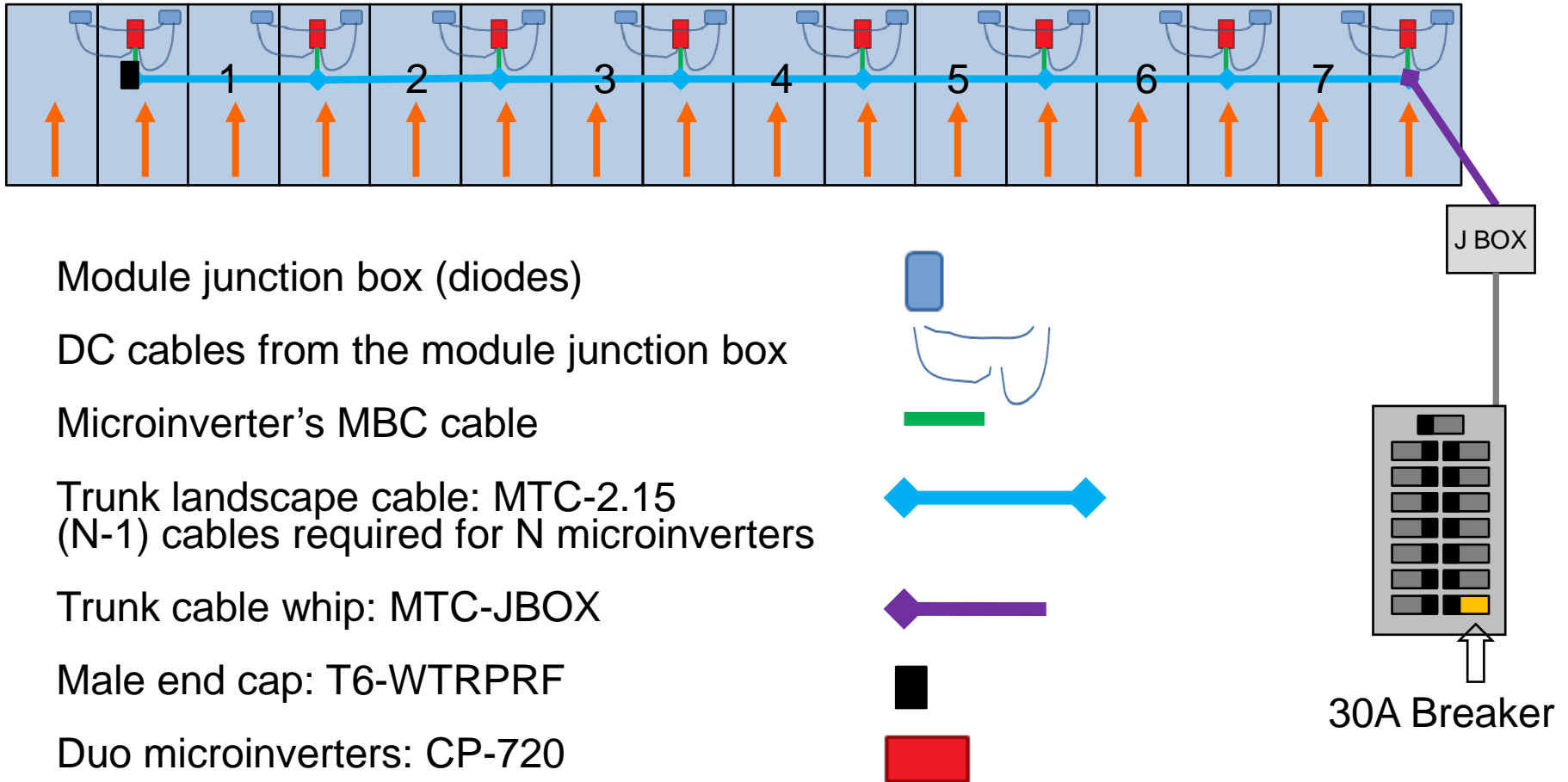


CP-250E (microinverter)

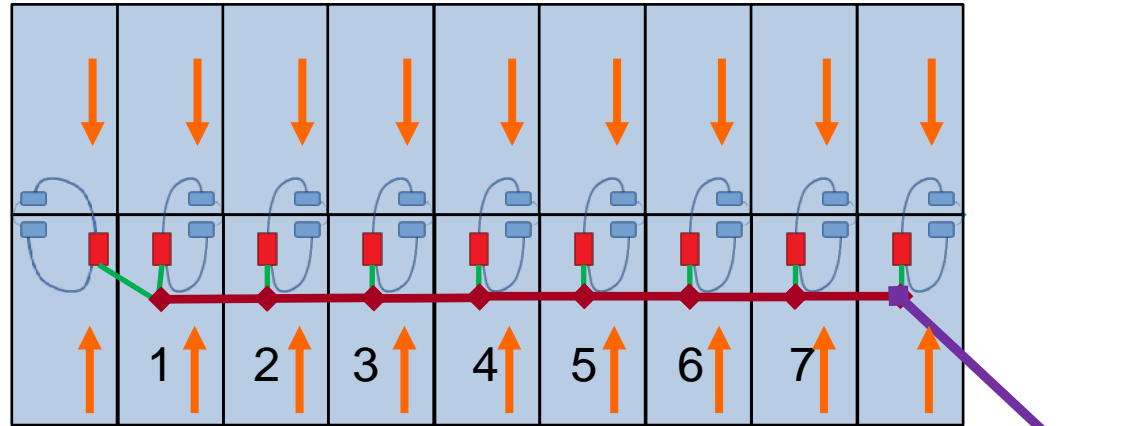


Module orientation

# C60 OR 72 CELL PORTRAIT-ONE ROW



# C60 OR 72 CELL PORTRAIT-TWO ROWS



Module junction box (diodes)

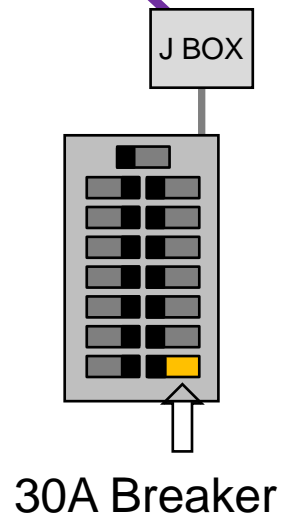
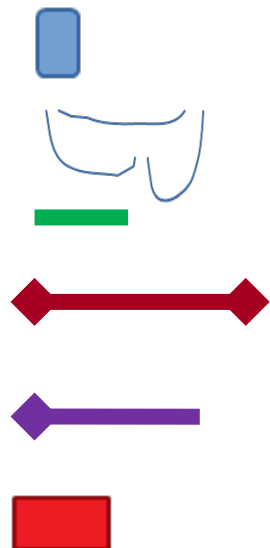
DC cables from the module junction box

Microinverter's MBC cable

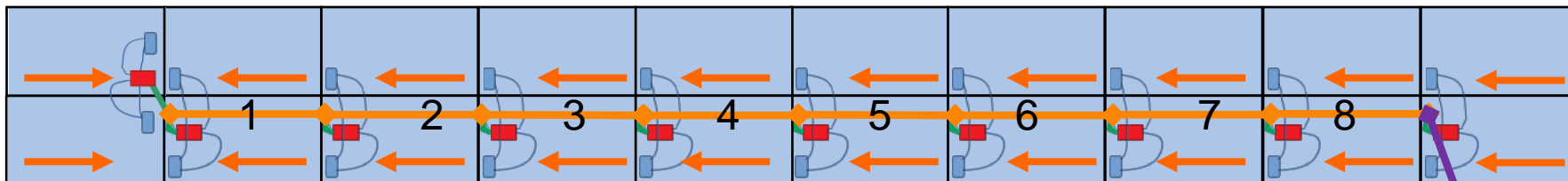
Trunk landscape cable: MTC-1.025  
(N-2) cables required for N microinverters

Trunk cable whip: MTC-JBOX

Duo microinverters: CP-720



# 60 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

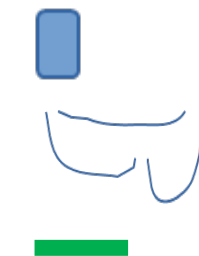
DC cables from the module junction box

Microinverter cable MBC  
(one required for each microinverter)

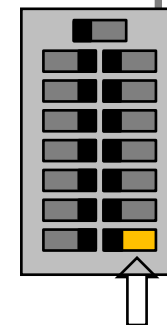
Trunk landscape cable: MTC-1.7  
(N-2) cables required for N microinverters

Trunk cable whip: MTC- HR-JBOX

Duo microinverter: CP-720

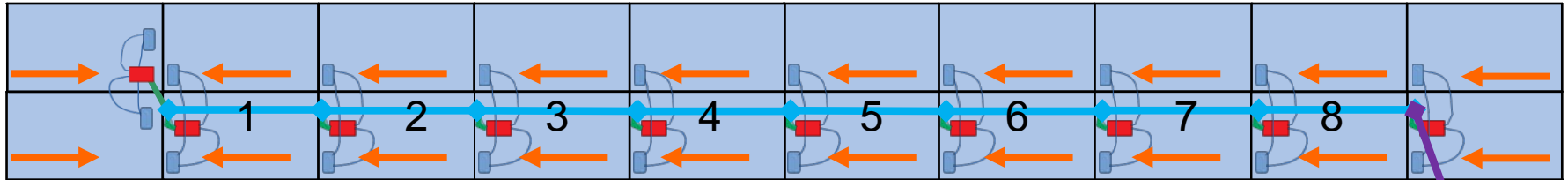


J BOX



30A Breaker

# 72 CELL LANDSCAPE-TWO ROWS



Module junction box (diodes)

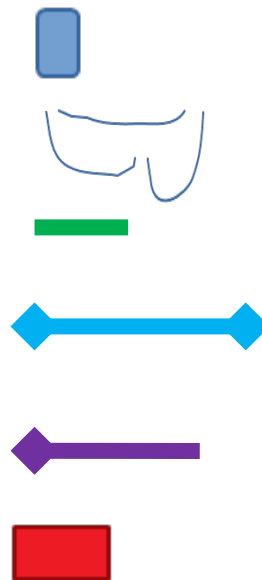
DC cables from the module junction box

Microinverter cable MBC

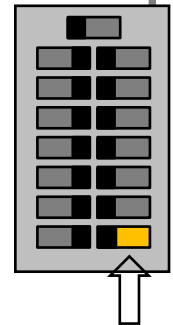
Trunk landscape cable: MTC-2.15  
(N-2) cables required for N microinverters

Trunk cable whip: MTC-JBOX

Duo microinverter: CP-720



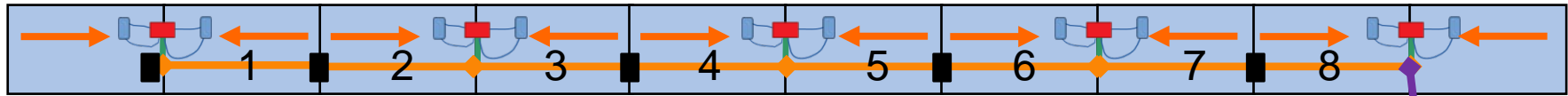
J BOX



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



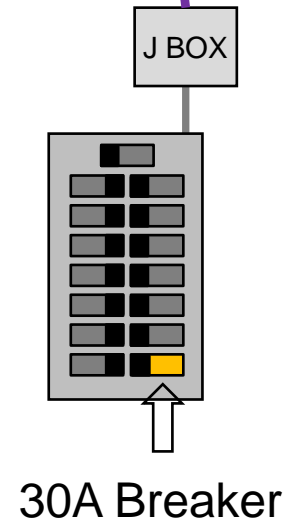
Trunk landscape whip: MTC-JBOX



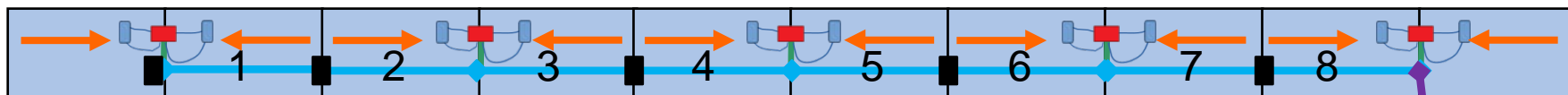
Male end cap: T6-WTRPRF  
 (N) caps required for N microinverters



Duo microinverter: CP-720



# 72 CELL LANDSCAPE-ONE ROW



Module junction box (diodes)

DC cables from the module junction box

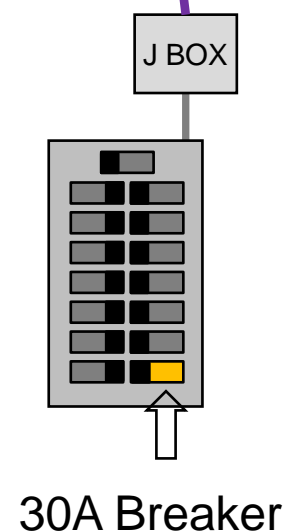
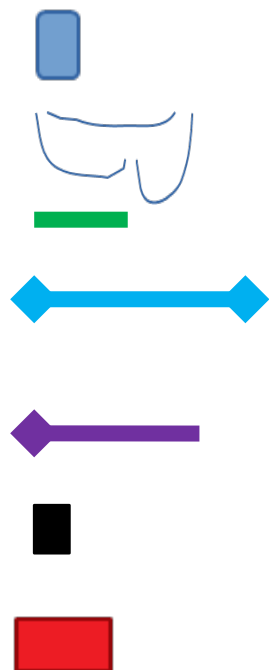
Microinverter's MBC cable

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

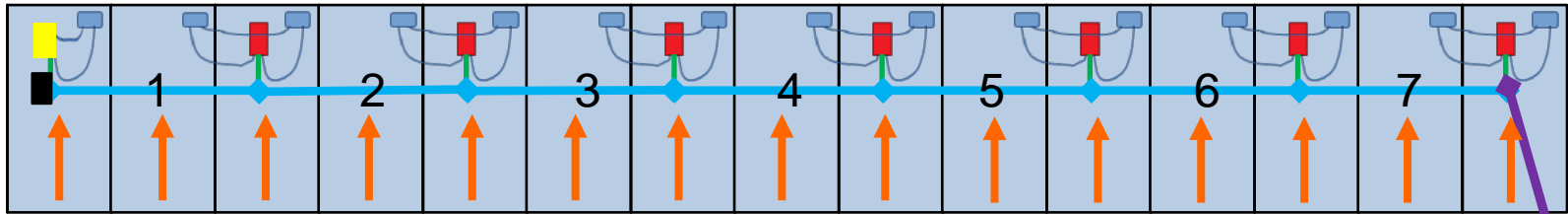
Trunk cable whip: MTC-JBOX

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



Module junction box (diodes)

DC cables from the module junction box

Microinverter's MBC cable

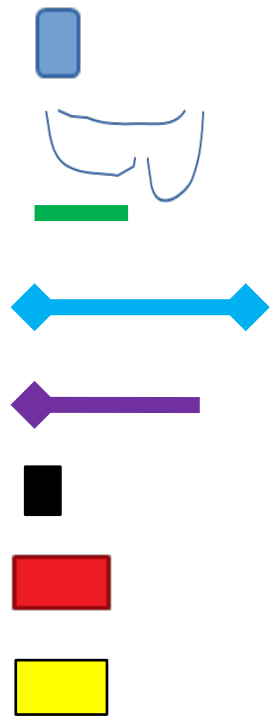
Trunk landscape cable: MTC-2.15  
(N-1) cables required for N microinverters

Trunk cable whip: MTC-JBOX

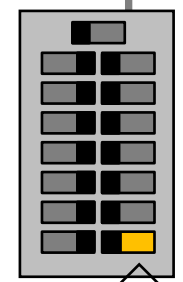
Male end cap: T6-WTRPRF

Duo microinverter: CP-720

Single microinverter: CP-250E

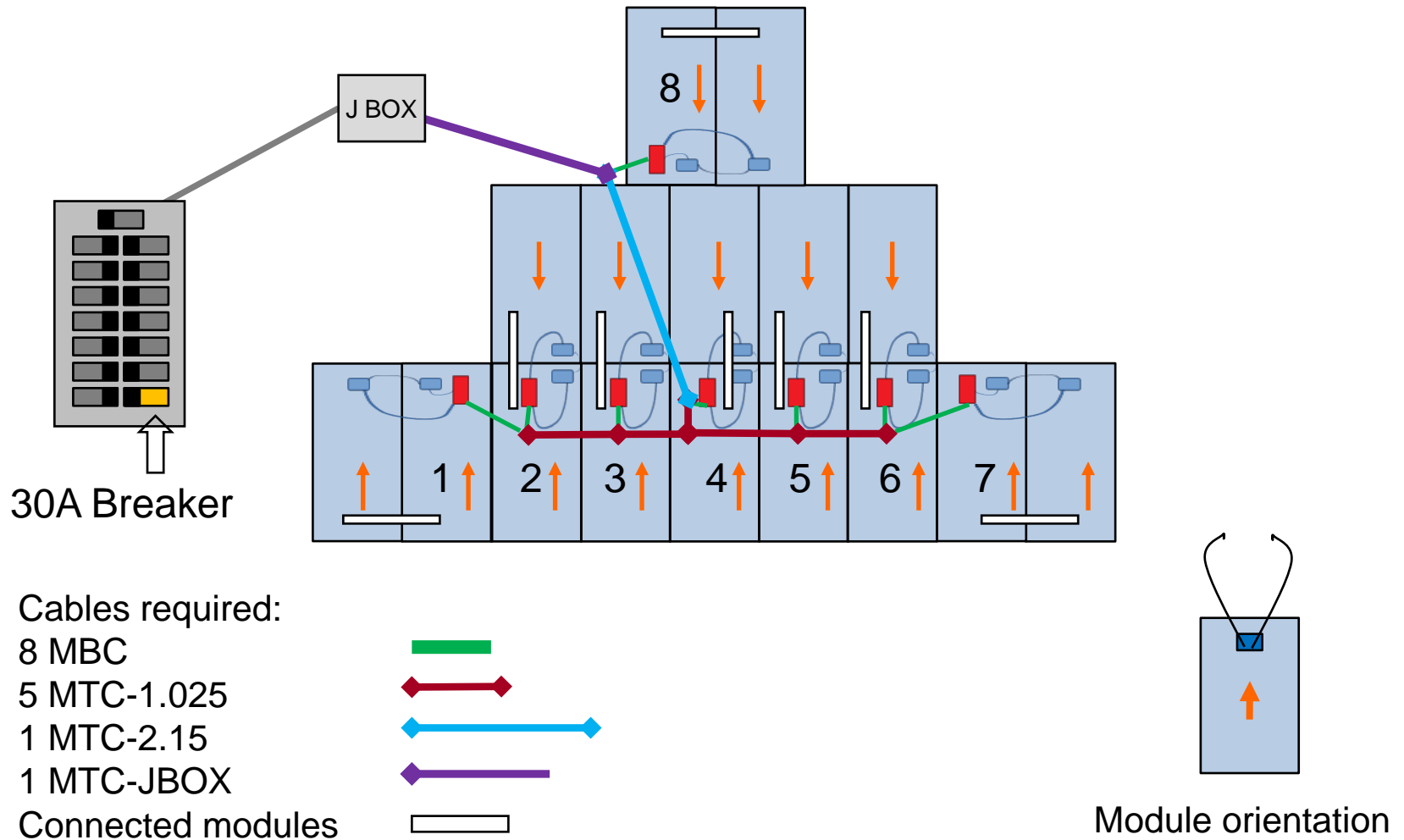


J BOX

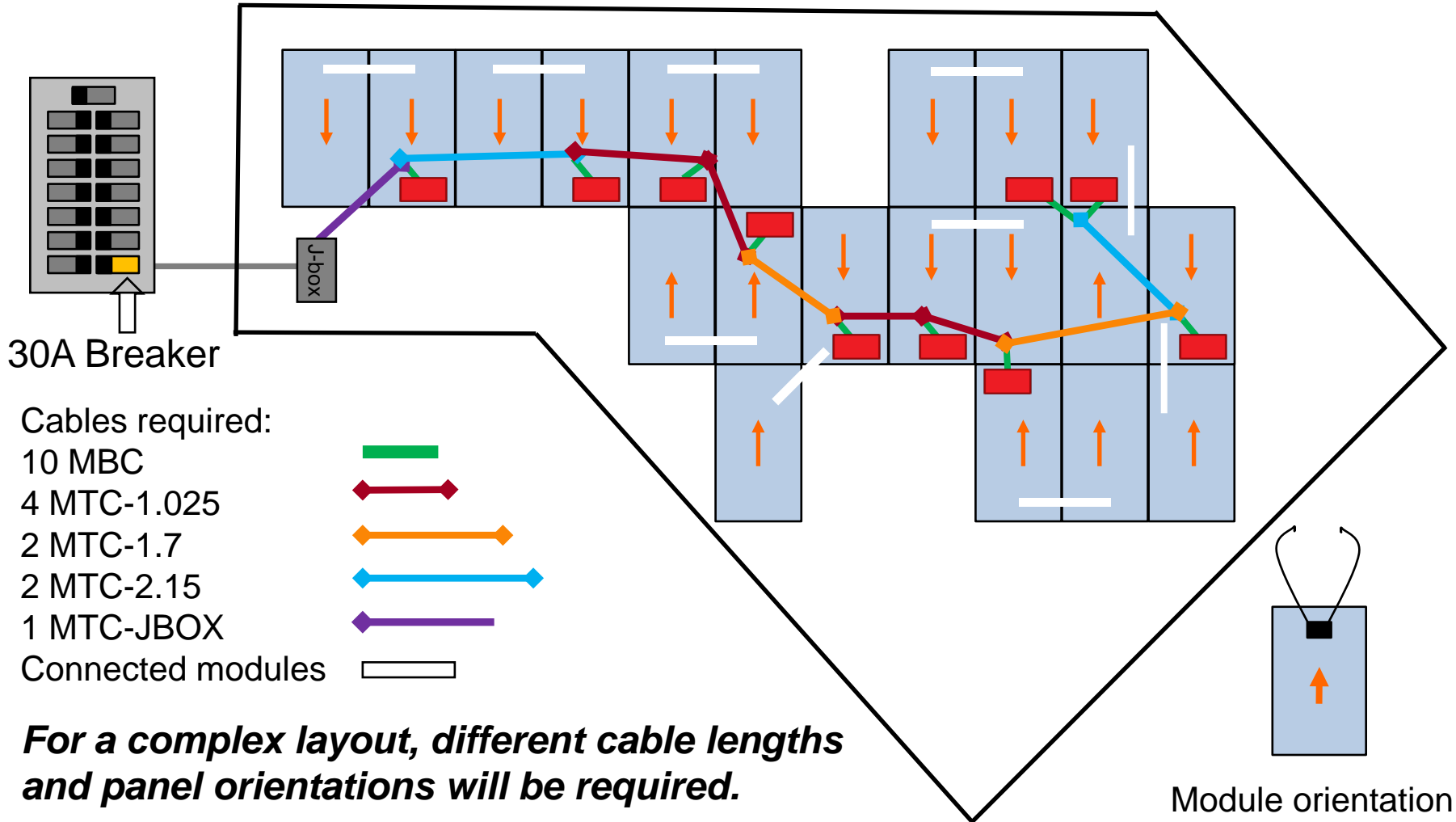


30A Breaker

# 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.***