

# CP-720 MC4 & MTC CONNECTION PROCEDURE

## STEP 1: DC CONNECTIONS



**IMPORTANT:** ALWAYS CONNECT DC FIRST. DO NOT ENERGIZE AC BUS TO INVERTERS UNTIL ALL INVERTERS HAVE BEEN DC POWERED **WITH ENOUGH SUN LIGHT** (LEDs blinking continuously).

60/72 cell modules: Make a **SERIES** connection between two 60 or 72 cell modules and plug the resulting series string of two modules into the MC4 connectors of the CP720 (this can't be done incorrectly, the gender of the MC4 connectors ensures correct polarity on each connection).

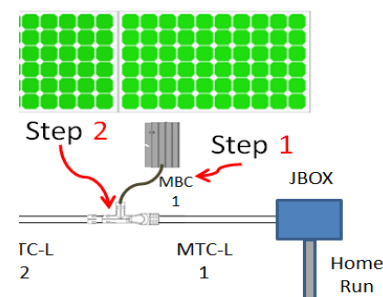
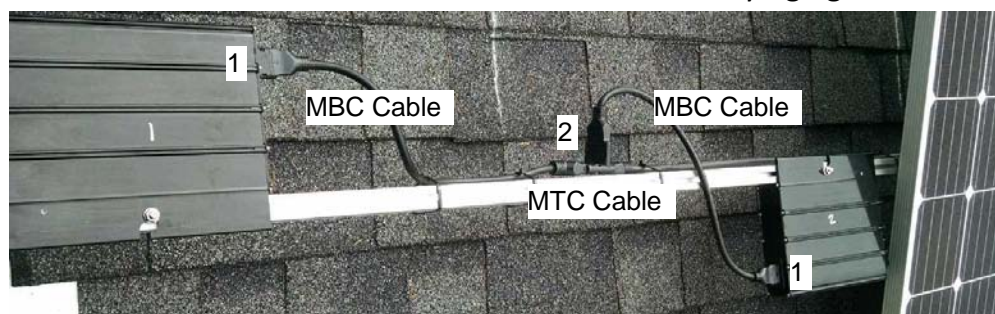
96/128 cell modules: Make a **PARALLEL** connection between two 96 or 128 cell modules using a 2-1 MC4 combining adapter. **DO NOT** series combine 96 or 128 cell modules as this will exceed the voltage limit of the CP720 inverter possibly resulting in damage.

## STEP 2: AC CONNECTOR – INSTALLATION PROCEDURE

- 1) Place the modular branch connector (MBC) on the inverter **FIRST**. This will make it easier to align the small pins on the connector with the inverter.
- 2) Join the larger connector of the MBC to the T-Junction of the modular trunk cable (MTC).

NOTE: MBC and MTC connectors are keyed in two different locations to prevent misconnection. The connector pins should easily glide into the socket. A small click indicates that the connector is properly seated.

**IMPORTANT:** do not try to force in the connector! Insertion resistance indicates improper orientation. Rotate the connector 180° before trying again.



## LED CODES

After DC is applied:

Blink Sequence	Meaning
Slow, 1 blink every 4 seconds	DC Connected, but Micro <b>NOT READY</b> for AC to be applied- <b>WAIT</b>
Continuous blinking	DC Connected and Micro now ready for AC to be applied.

After AC is applied:

Blink Sequence	Meaning
1 blink every 8 seconds	Normal production, inverter not bound to gateway
1 blink every 16 seconds	Normal production, inverter bound to gateway
2 blink every 4 seconds	Microinverter initializing after grid present- WAIT
3 or 4 blinks every 4 seconds	Error- Grid voltage out of range
5 blinks every 4 seconds	Error- PV module voltage out of range

