

PV Module Sizing for Chilicon Microinverters

Date: 10/7/21

	Recommended Power* (Nominal STC)	Min/Max Start Voltage	MPPT Range	Max. Microinverters per String (30A / 240V)**	Max. Microinverters per String (30A / 208V)**
CP-720	190 – 450W	55 – 102V	56 – 82V	8	7
CP-250E	190 – 420W	26 – 51V	26 – 41V	20	18

* each PV module ** see datasheet for sizing with current limiting enabled

Typical Voc and Vmp for PV Modules

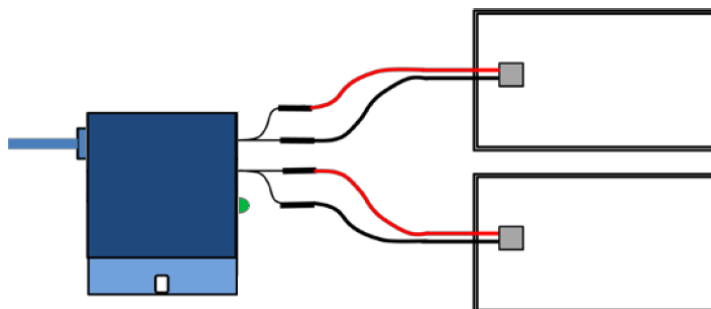
	60-cell / 120-half cell	72-cell / 144-half cell	96-cell	128-cell
V_{oc}	40V	49V	70V	85V
V_{mp}	32V	40V	58V	73V

CP-720 - (2) PV Modules

PV module STC specifications (each):

V_{oc,max}: 51V

V_{mp}: 28 - 41V



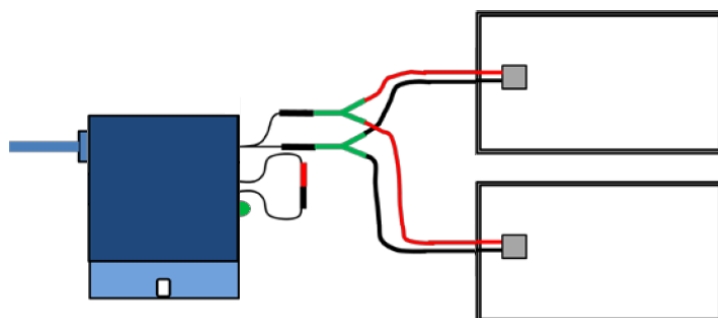
CP-720 - (2) PV Modules in Parallel

PV module STC specifications (each):

V_{oc,max}: 102V

V_{mp}: 56 - 82V

note: MC4 branch connectors (GREEN) sold separately

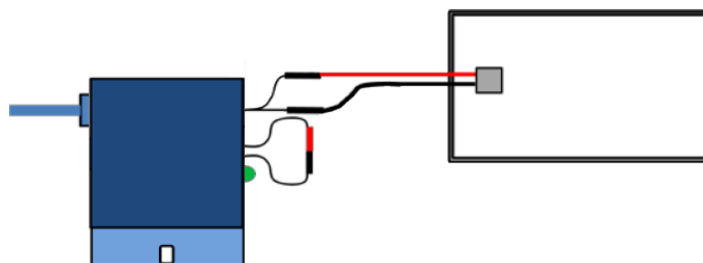


CP-720 - (1) PV Module

PV module STC specifications:

V_{oc,max}: 102V

V_{mp}: 56 - 82V



CP-250E - (1) PV Module

PV module STC specifications:

V_{oc,max}: 51V

V_{mp}: 26 - 41V

