

CHILICON POWER CP-720

(POWER LIMITED FIRMWARE FOR 60 CELL MODULES)



Maximum Energy Production

Highest Power Density

Enhanced Monitoring

Modular Trunk Cabling

Single SKU All Major Module Types

AC Coupling with Freq-Watt and Volt-Watt Modes

Manufactured in Simi Valley, CA

CP-720-60/72/96-208/240-MC4 Microinverter Specifications

INPUT DATA (DC)

Recommended input power (STC)	(190 - 420 W) x 2; (380 - 840 W) x 1	
Maximum DC input voltage	120 V	
MPPT voltage tracking range	56 – 82 V (240V)	48.5 – 82 V (208V)
Operating range	47 – 82 V	
Min./Max. start voltage	44 – 96 V	
Max. DC input short circuit current	16 A	
Max. DC input current	13.5 A	
Ground fault protection	Transformer isolated 2000 Vrms input/output/chassis	

OUTPUT DATA (AC)

	@ 208 V	@ 240 V
Max. continuous output power	554 W	578 W
Max. continuous output current	2.66 A	2.4 A
Nominal output voltage / range	208 / 183 – 229 V	240 / 211 – 264 V
Extended output voltage range	133 / 150 / 166 – 250 V	153 / 173 / 192 – 288 V
Nominal frequency / range	60.0 / 59.3 – 60.5 Hz	60.0 / 59.3 – 60.5 Hz
Extended frequency range	54.22 – 66.75 Hz	54.22 – 66.75 Hz
Power factor	-0.6 to 0.6 programmable	-0.6 to 0.6 programmable
Maximum units per 30 A branch circuit	9 (18 modules)	10 (20 modules)
Maximum output overcurrent protection	6.3 A	6.3 A

EFFICIENCY

CEC weighted efficiency	96.1 %
Peak inverter efficiency	96.7 %
Static MPPT efficiency (EN 50530)	99.5 % - 99.8 %
Night time power consumption	100 mW

MECHANICAL DATA

Ambient temperature range	-40°C to +65°C
Dimension (W x H x D) including connectors	12" x 8" x 1.8"
Weight	1.81 kg (4.0 lbs)
Enclosure rating	NEMA 6

FEATURES

Communication	Mesh Networked Power Line (130.2 kHz carrier)
Monitoring	Monitoring via CP-100 gateway and Online Cloud
Certifications	UL1741, IEEE std 1547, IEEE std C62.41.2, CSA C22.2 NO. 107.1 CISPR 22 Class B; HECO Rule14H (Advanced Inverter), HECO Rule 22 (Self-Supp Rule 21 / UL1741SA Product Warranty 25 Years
Compatibility (Single SKU)	2 x Series 60/72 Cell Mono or Poly PV modules 2 x Parallel HV Panasonic Modules; 2 x Parallel 96/128 Cell SunPower Modules