

CHILICON POWER CP-720



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

CP-720-60-72-208/240-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 | 52 – 82 V |
| 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 | 713 W | 720 W |
| Max. continuous output current | 3.43 A | 3.0 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 | 7 (14 modules) | 8 (16 modules) |
| Maximum output overcurrent protection | 6.3 A | 6.3 A |

EFFICIENCY

| | |
|-----------------------------------|------------------------------|
| CEC weighted efficiency | 96.5 % |
| Peak inverter efficiency | 97 % |
| Static MPPT efficiency (EN 50530) | 99.5 % - 99.8 % |
| Night time power consumption | 50 mW @ 208V, 100 mW @ 240 V |

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-Supply) Rule 21 / UL1741SA |
| 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 |