

| MODEL | CPS4200MM | CPS5000MM | CPS6700MM | CPS7500MM | CPS8300MM |
|-------------------------------------|--|--------------|------------------|------------------|------------------|
| Power | 4.2 kVA / 4.2 kW | 5 kVA / 5 kW | 6.7 kVA / 6.7 kW | 7.5 kVA / 7.5 kW | 8.3 kVA / 8.3 kW |
| Usage load according to EN50171 | 4.2 kW | 5 kW | 6.7 kW | 7.5 kW | 8.3 kW |
| MAIN INPUT | | | | | |
| Grid system | 1 Phase + Neutral + Ground | | | | |
| Rated voltage / Frequency | 230 VAC, 50/60Hz | | | | |
| Voltage range | 110~288 VAC | | | | |
| Maximum input current* | 30.6 A | 36 A | 48 A | 54 A | 60 A |
| Frequency range | 40~70 Hz | | | | |
| Power factor | 0.99 | | | | |
| Current THDi | <5% | | | | |
| Input protection | C40 | C50A | C63A | C80 | C80 |
| OUTPUT | | | | | |
| Rated voltage / Frequency | 230 VAC, 50 Hz | | | | |
| Load power factor | from 0.3 (lagging) to 0.3 (leading) | | | | |
| Sinewave | Pure sine wave | | | | |
| Voltage THDv | ≤1% (linear load) ≤5% (non-linear load) | | | | |
| Voltage precision | ±1% (0-100% linear load) | | | | |
| Recovery time | Compliant to EN62040-3 Standard | | | | |
| Inverter overload | 100-120% just overlad alarm 120-130%, 10 minutes 130-150%, 1 minute 150-180%, 30 seconds | | | | |
| Bypass overload | 100-150% long term operation 150-156%, 5 minutes 156-180%, 1 minute >180%, 200 milliseconds | | | | |
| Frequency regulation | 50/60 Hz ±0.1% (battery mode) | | | | |
| Synchronized range | Selectable; default ±5 Hz | | | | |
| Synchronized slew rate | Selectable (1 Hz/S ~ 5 Hz/S) | | | | |
| Crest factor | 3.6:1 | | | | |
| BATTERIES | | | | | |
| Battery type | Pb 10 years | | | | |
| Battery capacity | Selectable | | | | |
| Battery quantity | 20 (default) | | | | |
| Battery quantity range | From 16 to 24 | | | | |
| Nominal voltage (with 20 batteries) | 240 VDC | | | | |
| Autonomy | Backup time has to be calculated at battery end of life | | | | |
| Maximum discharge battery current | 27.2 A | 36 A | 48 A | 53.72 A | 59.5 A |
| BATTERY CHARGER | | | | | |
| Discharge battery alarm | Settable (in order to guarantee 10 minutes as minimum pre-alarm time) | | | | |
| Recharge current | 5 A maximum (standard 1A) | | | | |
| Floating voltage | 2.25 V/cell default (settable) | | | | |
| Boost voltage | 2.25 V/cell default (settable) | | | | |
| Recharge time | 12 h for 80% capacity recharge | | | | |
| Maximum capacity restore in 12h | 72 Ah | | | | |
| SYSTEM | | | | | |
| Efficiency | Normal operation: 95% Eco Mode operation: 98% Battery operation: 94.5% | | | | |
| Display | LED + LCD | | | | |
| Protection degree | IP20 | | | | |
| Interface | Standard equipment: RS232, USB, dry contacts, Cold Start, EPO Optional: RS485, SNMP, parallel kit | | | | |
| Operating mode | SA Mode: online mode (without interruption) SO Mode: changeover mode EA Mode: online mode (less than 16ms interruption) | | | | |
| Transfer load time | 0 ms (From Bypass Mode to Battery Mode: 16 ms) | | | | |
| Transfer time (So mode) | From OFF to ON: 16 ms (from 100 ms to 1 second with Soft Start) | | | | |
| Compliance | EU Directive: 2014/35/EU Low voltage directive; e 2014/30/EU Electromagnetic compatibility directive <ul style="list-style-type: none"> • Safety: EN62040-1 • EMC: EN62040-2 C2 • Performance: EN62040-3 (Voltage Frequency Independent) VFI - SS - 111 • Centralised power supply systems: CEI-EN50171 | | | | |
| PHYSICAL DATA | | | | | |
| Dimensions W*D*H (mm) | 190*540*705 | | | | |
| Weight (Kg) | 21 | | 27 | | |
| Colour | Black | | | | |

Note: technical specifications and data could be changed without notification

*Main 230 VAC, Overload 120%