



UPS SPECIFICATIONS

SoftPLC Corporation strongly recommends that a UPS (Uninterruptible Power Supply) be used on every SoftPLC system for both power protection and retentive memory upon power loss. The ICO-BPx UPS units sold by SoftPLC include a custom cable for serial port connection and the software driver required to allow the UPS to work with SoftPLC.



| | ICO-BP280 | ICO-BP280I |
|--------------------------------------|---|--|
| Acceptable input voltage | 0 - 160 VAC | 0 - 320 VAC |
| Input voltage (on-line operation) | 81 - 143 VAC | 165 - 283 VAC |
| Output voltage | 106 - 127 VAC | 208 - 253 VAC |
| Input Over Current Protection | Resettable circuit breaker | |
| Frequency limits (on-line operation) | 47 - 63 Hz (autosensing) | |
| Transfer time | 4 ms typical, blackout response time | |
| Maximum load | 280 VA / 180 W | |
| On-battery output voltage | 115 VAC | 230 VAC |
| On-battery frequency | 50 or 60 Hz, ± 0.1 Hz; unless synchronized to utility during brownout | |
| On-battery waveshape | Stepped sine-wave | |
| Output Over Current Protection | Overcurrent and short-circuit protected, latching shutdown on overload | |
| Battery type | Spill proof, maintenance free, sealed lead-acid | |
| Typical battery life | 3 - 6 years, based on number of discharge cycles and ambient temperature | |
| Typical recharge time | 2 to 5 hours from total discharge | |
| Operating temperature | 0 to +40°C(+32 to +104°F) | |
| Storage temperature | -15 to +45°C(+5 to +113°F) | |
| Operating/Storage relative humidity | 0 to 95%, non-condensing | |
| Operating elevation | 0 to +3,000m (0 to +10,000ft) | |
| Storage elevation | 0 to +15,000m (0 to +50,000ft) | |
| Audible noise at 1 m (3 ft) | <45 dBA | |
| Size (H x W x D) | 15 x 8.6 x 33.8 cm (5.9 x 3.4 x 13.3 in.) | 16.8 x 11.9 x 36. cm (6.6 x 4.7 x 14.5 in.) |
| Weight - net (shipping) | 7.5 (9.3)kg / 16.6 (20.4)lb. | 8.53 (10.34)kg / 18.8 (22.81)lb. |
| Safety, Approvals, Certifications | UL 1778, UL 497A, CSA 107.1, FCC part 15 | VDE licensed to EN50091 and EN60950 |
| Certification | FCC/DOC Class B certified | EN55022 |
| Electromagnetic immunity | IEC 801-4 level IV, 801-5 level III | IEC 801-2 level IV, 801-3 level III, 801-4 level IV |