

# Xtender XTM



| Model                                                     | XTM 1500-12                                                                                                                                                                                      | XTM 2000-12       | XTM 2400-24      | XTM 2600-48     | XTM 3500-24       | XTM 4000-48       |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-----------------|-------------------|-------------------|
| Inverter                                                  |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| Nominal battery voltage                                   | 12 Vdc                                                                                                                                                                                           |                   | 24 Vdc           | 48 Vdc          | 24 Vdc            | 48 Vdc            |
| Input voltage range                                       | 9.5 - 17 Vdc                                                                                                                                                                                     |                   | 19 - 34 Vdc      | 38 - 68 Vdc     | 19 - 34 Vdc       | 38 - 68 Vdc       |
| Continuous power @ 25°C                                   | 1500 VA                                                                                                                                                                                          | 2000 VA           |                  |                 | 3000 VA           | 3500 VA           |
| Power 30 min. @ 25°C                                      | 1500 VA                                                                                                                                                                                          | 2000 VA           | 2400 VA          | 2600 VA         | 3500 VA           | 4000 VA           |
| Power 5 sec. @ 25°C                                       | 3.4 kVA                                                                                                                                                                                          | 4.8 kVA           | 6 kVA            | 6.5 kVA         | 9 kVA             | 10.5 kVA          |
| Maximum load                                              | Up to short-circuit                                                                                                                                                                              |                   |                  |                 |                   |                   |
| Asymmetric load                                           | Up to Pcont.                                                                                                                                                                                     |                   |                  |                 |                   |                   |
| * Load detection (stand-by)                               | 2 to 25 W                                                                                                                                                                                        |                   |                  |                 |                   |                   |
| Cos φ                                                     | 0.1-1                                                                                                                                                                                            |                   |                  |                 |                   |                   |
| Maximum efficiency                                        | 93 %                                                                                                                                                                                             |                   | 94 %             | 96 %            | 94 %              | 96 %              |
| Consumption OFF/Stand-by/ON                               | 1.2W / 1.4W / 8W                                                                                                                                                                                 | 1.2W / 1.4W / 10W | 1.4W / 1.6W / 9W | 1.8W / 2W / 10W | 1.4W / 1.6W / 12W | 1.8W / 2.1W / 14W |
| * Output voltage                                          | Pure sine wave 230 Vac (± 2 %) / 120 Vac <sup>(1)</sup>                                                                                                                                          |                   |                  |                 |                   |                   |
| * Output frequency                                        | Adjustable 45 - 60 Hz <sup>(1)</sup> ± 0.05 % (crystal controlled)                                                                                                                               |                   |                  |                 |                   |                   |
| Harmonic distortion                                       | < 2 %                                                                                                                                                                                            |                   |                  |                 |                   |                   |
| Overload and short-circuit protection                     | Automatic disconnection with 3 time restart attempt                                                                                                                                              |                   |                  |                 |                   |                   |
| Overheat protection                                       | Warning before shut-off - with automatic restart                                                                                                                                                 |                   |                  |                 |                   |                   |
| Battery charger                                           |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| * Charge Characteristic                                   | 6 steps: Bulk, Absorption, Floating, Equalization, reduced floating, periodic absorption<br>Number of steps, thresholds, end current and times completely adjustable with the RCC-02/-03         |                   |                  |                 |                   |                   |
| * Maximum charging current                                | 70 A                                                                                                                                                                                             | 100 A             | 55 A             | 30 A            | 90 A              | 50 A              |
| * Temperature compensation                                | With BTS-01 or BSP 500/1200                                                                                                                                                                      |                   |                  |                 |                   |                   |
| Power Factor Correction (PFC)                             | EN 61000-3-2                                                                                                                                                                                     |                   |                  |                 |                   |                   |
| General data                                              | XTM 1500-12                                                                                                                                                                                      | XTM 2000-12       | XTM 2400-24      | XTM 2600-48     | XTM 3500-24       | XTM 4000-48       |
| * Input voltage range                                     | 150 to 265 Vac / 50 to 140 Vac <sup>(1)</sup>                                                                                                                                                    |                   |                  |                 |                   |                   |
| Input frequency                                           | 45 to 65 Hz                                                                                                                                                                                      |                   |                  |                 |                   |                   |
| Input current max. (transfer relay) / Output current max. | 50 Aac / 56 Aac                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| Transfer time                                             | <15 ms                                                                                                                                                                                           |                   |                  |                 |                   |                   |
| Multifunction contacts                                    | 2 independent contacts (potential free 3 points, 16Aac / 5Adc)                                                                                                                                   |                   |                  |                 |                   |                   |
| Weight                                                    | 15 kg                                                                                                                                                                                            | 18.5 kg           | 16.2 kg          |                 | 21.2 kg           | 22.9 kg           |
| Dimensions h/w/l [mm]                                     | 133 / 322 / 466                                                                                                                                                                                  |                   |                  |                 | 133 / 322 / 466   |                   |
| Protection index                                          | IP20                                                                                                                                                                                             |                   |                  |                 |                   |                   |
| EU declaration of conformity                              | Low Voltage Directive (LVD) 2014/35/EU:<br>-EN 50178:1997, EN 62109-1:2010<br>Electromagnetic Compliance (EMC) Directive 2014/30/EU:<br>- EN 62040-2:2006, EN 61000-3-2:2014, EN 61000-3-12:2011 |                   |                  |                 |                   |                   |
| Operating temperature range                               | -20 to 55°C                                                                                                                                                                                      |                   |                  |                 |                   |                   |
| Relative humidity in operation                            | 95 % without condensation                                                                                                                                                                        |                   |                  |                 |                   |                   |
| Ventilation                                               | Forced from 55°C                                                                                                                                                                                 |                   |                  |                 |                   |                   |
| Acoustic level                                            | < 40 dB / < 45 dB (without/with ventilation)                                                                                                                                                     |                   |                  |                 |                   |                   |
| Warranty                                                  | 5 years                                                                                                                                                                                          |                   |                  |                 |                   |                   |
| ISO Certification                                         | 9001:2008 / 14001:2004                                                                                                                                                                           |                   |                  |                 |                   |                   |
| Accessories                                               |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| Remote control RCC-02 or RCC-03                           | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Module Xcom-232i                                          | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Communication sets Xcom-LAN / Xcom-GSM / Xcom-SMS         | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Battery Status Processor BSP                              | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Remote Control Module RCM-10 (3 m)                        | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| 2 aux. contacts module ARM-02                             |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| Cooling Module ECF-01                                     |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |
| Battery temp. sensor BTS-01 (3 m)                         | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Communication cable for 3ph and // CAB-RJ45-8-2           | •                                                                                                                                                                                                | •                 | •                | •               | •                 | •                 |
| Mounting frame X-Connect                                  |                                                                                                                                                                                                  |                   |                  |                 |                   |                   |

\* Adjustable with the RCC-02/-03

\*\* These features are valid only when using the cooling module ECF-01.

<sup>(1)</sup> With -01 at the end of the reference, means 120V/60Hz. Available for all Xtenders except XTH 8000-48

Data may change without any notice