

# Xtender series



| Model  | XTM 1500-12  | XTM 2000-12     | XTM 2400-24  | XTM 2600-48     | XTH 3000-12      | XTM 3500-24     | XTM 4000-48     | XTH 5000-24     | XTH 6000-48     | XTH 8000-48   |
|--|--|-----------------|--------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|---------------|
| Inverter (factory setting/range adjustable with RCC-02 or RCC-03)        |  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Nominal battery voltage  | 12V  |                 | 24V          | 48V             | 12V              | 24V             | 48V             | 24V             | 48V             |               |
| Input voltage range  | 9.5 - 17V  |                 | 19 - 34V     | 38 - 68V        | 9.5 - 17V        | 19 - 34V        | 38 - 68V        | 19 - 34V        | 38 - 68V        |               |
| Continuous power @ 25°C  | 1500VA   | 2000VA          |              | 2500VA          |                  | 3000VA          | 3500VA          | 4500VA          | 5000VA          | 7000VA        |
| Power 30 min. @ 25°C   | 1500VA   | 2000VA          | 2400VA       | 2600VA          | 3000VA           | 3500VA          | 4000VA          | 5000VA          | 6000VA          | 8000VA        |
| Power 5 sec. @ 25°C  | 3.4kVA   | 4.8kVA          | 6kVA         | 6.5kVA          | 7.5kVA           | 9kVA            | 10.5kVA         | 12kVA           | 15kVA           | 21kVA         |
| Power Smart-Boost 30 min. @ 25°C   | 1500VA   | 2000VA          | 2400VA       | 2600VA          | 3000VA           | 3500VA          | 4000VA          | 5000VA          | 6000VA          | 8000VA        |
| Maximum load   | Up to short-circuit  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Maximum asymmetric load  | Up to Pcont.   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Load detection (stand-by)  | 2 to 25 W  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Cos φ  | 0.1-1  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Maximum efficiency   | 93%  |                 | 94%          | 96%             | 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     | 1.2W/1.4W/14W    | 1.4W/1.6W/12W   | 1.8W/2.1W/14W   | 1.4W/1.8W/18W   | 1.8W/2.2W/22W   | 1.8W/2.4W/30W |
| Output voltage   | Sine wave 230Vac (+/- 2%) / 190-245Vac (also available in 120Vac except for the XTH 8000-48) |                 |              |                 |                  |                 |                 |                 |                 |               |
| Output frequency   | 50Hz / 60Hz (-01) adjustable 45-65Hz +/- 0.05% (crystal controlled)                          |                 |              |                 |                  |                 |                 |                 |                 |               |
| Harmonic distortion  | <2%  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Dynamic behaviour  | 0.5 ms (on load change 0 to 100%)  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Overload and short-circuit protection                                    | Automatic disconnection with 3 time restart attempt  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Overheat protection  | Warning before shut-off - with automatic restart   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Battery charger 6 step adjustable : I-U-Uo-Equalize-Uo(low)-U(periodic)  |  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Charging current adjustable  | 0 - 70A  | 0 - 100A        | 0 - 55A      | 0 - 30A         | 0 - 160A         | 0 - 90A         | 0 - 50A         | 0 - 140A        | 0 - 100A        | 0 - 120A      |
| Input current balance adjustment   | 1 - 50A  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Maximum input voltage  | 265Vac / 150Vac (-01)  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Input AC voltage range   | Adjustable threshold from 150 to 265Vac / 50 to 140Vac (-01)                                 |                 |              |                 |                  |                 |                 |                 |                 |               |
| Input frequency  | 45 - 65Hz  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Power Factor Correction (PFC)  | EN 61000-3-2   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Battery control (factory setting/range adjustable with RCC-02 or RCC-03) |  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Absorption end   | By duration 2 / 0.25 - 10 h or by current - / 4 - 30A  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Absorption voltage   | 14.4 / 9.5 - 17V   | 28.8 / 19 - 34V |              | 57.6 / 38 - 68V | 14.4 / 9.5 - 17V | 28.8 / 19 - 34V | 57.6 / 38 - 68V | 28.8 / 19 - 34V | 57.6 / 38 - 68V |               |
| Periodic absorption voltage  | - / 9.5 - 17V  | - / 19 - 34V    |              | - / 38 - 68V    | - / 9.5 - 17V    | - / 19 - 34V    | - / 38 - 68V    | - / 19 - 34V    | - / 38 - 68V    |               |
| Floating voltage   | 13.6 / 9.5 - 17V   | 27.2 / 19 - 34V |              | 54.4 / 38 - 68V | 13.6 / 9.5 - 17V | 27.2 / 19 - 34V | 54.4 / 38 - 68V | 27.2 / 19 - 34V | 54.4 / 38 - 68V |               |
| Reduced floating voltage   | - / 9.5 - 17V  | - / 19 - 34V    |              | - / 38 - 68V    | - / 9.5 - 17V    | - / 19 - 34V    | - / 38 - 68V    | - / 19 - 34V    | - / 38 - 68V    |               |
| Equalization   | By number of cycles (- / 1 - 100) or at set interval (- / 52 weeks)                          |                 |              |                 |                  |                 |                 |                 |                 |               |
| Equalization end   | By duration 4 / 0.25 - 10 h or by current - / 4 - 30A  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Equalization voltage   | - / 9.5 - 17V  | - / 19 - 34V    |              | - / 38 - 68V    | - / 9.5 - 17V    | - / 19 - 34V    | - / 38 - 68V    | - / 19 - 34V    | - / 38 - 68V    |               |
| Deep-discharge protection  | 10.8 / 9.5 - 17V   | 21.6 / 19 - 34V |              | 43.2 / 38 - 68V | 10.8 / 9.5 - 17V | 21.6 / 19 - 34V | 43.2 / 38 - 68V | 21.6 / 19 - 34V | 43.2 / 38 - 68V |               |
| Reduced floating time  | - / 0 - 32 days  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Periodic absorption time   | - / 0 - 10 hours   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Temp. compensation (option BTS-01)                                       | -5 / 0 to -8mV/°C/Cell (only with option BTS-01)   |                 |              |                 |                  |                 |                 |                 |                 |               |
| General data   | XTM 1500-12  | XTM 2000-12     | XTM 2400-24  | XTM 2600-48     | XTH 3000-12      | XTM 3500-24     | XTM 4000-48     | XTH 5000-24     | XTH 6000-48     | XTH 8000-48   |
| Multifunction contact adjustable   | 2 independent contacts 16A/240Vac, 20 A-24 Vdc / 16A/140Vac (-01) (potential free 3 points)  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Max. current on transfer relay   | 50A  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Transfer time  | <15ms  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Weight   | 15 kg  | 18.5 kg         | 16.2 kg      | 34 kg           | 21.2 kg          | 22.9 kg         | 40 kg           | 42 kg           | 46 kg           |               |
| Dimension hxxwxl [mm]  | 133x322x466  |                 |              |                 | 230x300x500      |                 | 133x322x466     |                 | 230x300x500     |               |
| Protection index   | IP20   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Conformity   | EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, Dir. 89/336/EEC, LVD 73/23/EEC |                 |              |                 |                  |                 |                 |                 |                 |               |
| Operating temperature range  | -20 to 55°C  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Relative humidity in operation   | 95% without condensation   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Ventilation  | Forced from 55°C   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Acoustic level   | <40dB / <45dB (without/with ventilation)   |                 |              |                 |                  |                 |                 |                 |                 |               |
| Warranty   | 2 years  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Options  |  |                 |              |                 |                  |                 |                 |                 |                 |               |
| Remote control RCC-02 or RCC-03  | •  | •               | •            | •               | •                | •               | •               | •               | •               | •             |
| Communication cable for 3ph and // CAB-RI45-8-2                          | •  | •               | •            | •               | •                | •               | •               | •               | •               | •             |
| Battery temp. sensor BTS-01 (3 m)  | •  | •               | •            | •               | •                | •               | •               | •               | •               | •             |
| Remote Control Module RCM-10 (3 m)                                       | •  | •               | •            | •               | •                | •               | •               | •               | •               | •             |

Data may change without any notice.