



## SUNGOLD SOLAIRE PERSONNALISATEUR SOLAIRE POUR PME

*Énergie sur mesure, tournée vers l'avenir*

# XTRA-NG3

Contrôleur solaire MPPT charge/décharge

|                                                            | XTRA1206N<br>G3/G3 BLE               | XTRA1206N<br>G3/G3 BLE  | XTRA1206N<br>G3/G3 BLE            | XTRA1206N<br>G3/G3 BLE  | XTRA1206N<br>G3/G3 BLE  | XTRA1206N<br>G3/G3 BLE  | XTRA1206N<br>G3/G3 BLE             | XTRA1206N<br>G3/G3 BLE  | XTRA1206N<br>G3/G3 BLE                            | XTRA1206N<br>G3/G3 BLE                            | XTRA1206N<br>G3/G3 BLE |
|------------------------------------------------------------|--------------------------------------|-------------------------|-----------------------------------|-------------------------|-------------------------|-------------------------|------------------------------------|-------------------------|---------------------------------------------------|---------------------------------------------------|------------------------|
| Paramètres électriques                                     |                                      |                         |                                   |                         |                         |                         |                                    |                         |                                                   |                                                   |                        |
| Tension nominale de la batterie                            | Reconnaissance automatique 12/24 VCC |                         |                                   |                         |                         |                         |                                    |                         | Reconnaissance automatique 12/24/36/48 VCC        |                                                   |                        |
| Courant de charge nominal /<br>Courant de décharge nominal | 10A                                  | 20A                     | 10A                               | 20A                     | 30A                     | 40A                     | 30A                                | 40A                     | 30A                                               | 40A                                               |                        |
| Plage de tension de fonctionnement du contrôleur           | 8~31V                                |                         |                                   |                         |                         |                         |                                    |                         | 8~62V                                             |                                                   |                        |
| Tension de circuit ouvert PV maximale                      | (Tension batterie + 2 V)<br>~36 V    |                         | (Tension batterie + 2 V)<br>~72 V |                         |                         |                         | (Tension batterie + 2 V)<br>~108 V |                         |                                                   |                                                   |                        |
| Plage de tension MPPT                                      | 130W/12V<br>260W/24V                 | 260W/12V<br>520W/24V    | 130W/12V<br>260W/24V              | 260W/12V<br>520W/24V    | 390W/12V<br>780W/24V    | 520W/12V<br>1040W/24V   | 390W/12V<br>780W/24V               | 520W/12V<br>1040W/24V   | 390W/12V<br>780W/24V<br>1170W/36V<br>1560W/48V    | 520W/12V<br>1040W/24V<br>1560W/36V<br>2080W/48V   |                        |
| Puissance de charge nominale                               | 97.9%                                | 98.3%                   | 98.2%                             | 98.3%                   | 98.6%                   | 98.6%                   | 97.6%                              | 97.9%                   | 98.1%                                             | 98.5%                                             |                        |
| Efficacité de conversion maximale                          | 97%                                  | 96.7%                   | 96.2%                             | 96.4%                   | 96.6%                   | 96.5%                   | 95.1%                              | 95.4%                   | 96.9%                                             | 97.2%                                             |                        |
| Efficacité à pleine charge                                 | ≤10mA(12V)<br>≤7mA(24V)              | ≤10mA(12V)<br>≤7mA(24V) | ≤15mA(12V)<br>≤9mA(24V)           | ≤15mA(12V)<br>≤9mA(24V) | ≤15mA(12V)<br>≤9mA(24V) | ≤15mA(12V)<br>≤9mA(24V) | ≤15mA(12V)<br>≤9mA(24V)            | ≤15mA(12V)<br>≤9mA(24V) | ≤14mA(12V)<br>≤9mA(24V)<br>≤8mA(12V)<br>≤7mA(24V) | ≤14mA(12V)<br>≤9mA(24V)<br>≤8mA(12V)<br>≤7mA(24V) |                        |
| Pertes statiques (communication activée)                   | ≤8mA(12V)<br>≤5mA(24V)               | ≤8mA(12V)<br>≤5mA(24V)  | ≤8mA(12V)<br>≤6mA(24V)            | ≤8mA(12V)<br>≤6mA(24V)  | ≤8mA(12V)<br>≤5mA(24V)  | ≤8mA(12V)<br>≤5mA(24V)  | ≤8mA(12V)<br>≤5mA(24V)             | ≤8mA(12V)<br>≤5mA(24V)  | ≤8mA(12V)<br>≤5mA(24V)<br>≤5mA(12V)<br>≤5mA(24V)  | ≤8mA(12V)<br>≤5mA(24V)<br>≤5mA(12V)<br>≤5mA(24V)  |                        |
| Type de mise à la terre                                    | Mise à la terre du pôle négatif      |                         |                                   |                         |                         |                         |                                    |                         |                                                   |                                                   |                        |
| Mode de communication                                      | RS485                                |                         |                                   |                         |                         |                         |                                    |                         |                                                   |                                                   |                        |

| Paramètres environnementaux                   |                            |              |
|-----------------------------------------------|----------------------------|--------------|
| Humidité de l'environnement de fonctionnement | -25 C ~+50 C               | -25 C ~+45 C |
| Coefficient de compensation de température    | -3 mV/°C / 2V (par défaut) |              |
| Humidité relative                             | ≤95% (sans condensation)   |              |
| Classe de protection (IP)                     | IP33                       |              |

|                                        |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|----------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Paramètres mécaniques                  |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Dimensions d'installation (L × l) (mm) | 120*134         | 160*149         | 120*134         | 160*149         | 173*156         | 200*176         | 200*176         | 200*178         | 200*178         | 200*180         |
| Taille des trous de fixation (mm)      | Φ5              |                 |                 |                 |                 |                 |                 |                 |                 |                 |
| Bornes de connexion                    | 12AWG<br>(4mm²) | 6AWG<br>(16mm²) | 12AWG<br>(4mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) | 6AWG<br>(16mm²) |
| Section de câble recommandée           | 12AWG<br>(4mm²) | 10AWG<br>(6mm²) | 12AWG<br>(4mm²) | 10AWG<br>(6mm²) | 8AWG<br>(10mm²) | 6AWG<br>(16mm²) | 8AWG<br>(10mm²) | 6AWG<br>(16mm²) | 8AWG<br>(10mm²) | 6AWG<br>(16mm²) |
| Dimensions (L × l × H) (mm)            | 175*143*48      | 217*158*56.5    | 175*143*48      | 217*158*56.5    | 230*165*63      | 255*185*67.8    | 255*185*67.8    | 255*187*75.7    | 255*187*75.7    | 255*189*83.2    |
| Poids net (kg)                         | 0.58            | 0.97            | 0.59            | 0.97            | 1.30            | 1.72            | 1.66            | 2.08            | 2.16            | 2.60            |