

# GSL-MX Series Technical Specifications

| MODEL                                    | GSL0500-MX  | GSL0630-MX        | GSL0750-MX        | GSL1000-MX   | GSL1260-MX         | GSL1500-MX         |
|--|---|-------------------|-------------------|--|--------------------|--------------------|
| <b>INPUT</b>                             |   |                   |                   |  |                    |                    |
| Max. DC input power                      | 550KW   | 690KW             | 550KW             | 1100KW   | 1386KW             | 1100KW             |
| Max.DC input voltage                     | 1000Vdc   |                   |                   |  |                    |                    |
| MPPT tracking voltage range              | 450~850Vdc  |                   |                   |  |                    |                    |
| Number of DC input tracking              | 7(8~12 optional)  | 9(10~12 optional) | 10(8~12 optional) | 14(14~24 optional)                                 | 18(18~24 optional) | 20(20~24 optional) |
| Max. input current                       | 1200A   | 1440A             | 1200A             | 2400A  | 2880A              | 2400A              |
| <b>OUTPUT</b>                            |   |                   |                   |  |                    |                    |
| Rated output power                       | 500KW   | 630KW             | 750KW             | 1000KW   | 1260KW             | 1500KW             |
| Rated output voltage                     | 315Vac  | 315Vac            | 350Vac            | 315Vac   | 315Vac             | 350Vac             |
| AC output topology                       | 3Ph+PE  |                   | 3Ph+N+PE          |  | 3Ph+PE             |                    |
| Output voltage range                     | (1±15%) x Normal AC Voltage (adjustable ±5%,±10%,±15%,±20%)   |                   |                   |  |                    |                    |
| Gird frequency range                     | 50/60Hz(±4.5Hz), (adjustable)                                 |                   |                   |  |                    |                    |
| Rated AC output current                  | 916A  | 1155A             | 1237A             | 1836A  | 2310A              | 2474A              |
| Max. AC output current                   | 1007A   | 1212A             | 1360A             | 2014A  | 2424A              | 2720A              |
| Power factor (cosΦ)                      | 1 ( 0.9 leading – 0.9 lagging) (adjustable)                   |                   |                   |  |                    |                    |
| Total harmonic current distortion (THDi) | <3%   |                   |                   |  |                    |                    |
| <b>SYSTEM FEATURES</b>                   |   |                   |                   |  |                    |                    |
| Max. efficiency                          | 98.7%   |                   |                   |  |                    |                    |
| Euro efficiency                          | 98.5%   |                   |                   |  |                    |                    |
| MPPT efficiency                          | >99%  |                   |                   |  |                    |                    |
| Standby(night time) losses               | <10W  |                   |                   |  |                    |                    |
| Cooling                                  | Forced air cooling  |                   |                   |  |                    |                    |
| Communication interface                  | RS485, external Ethernet (optional)                           |                   |                   |  |                    |                    |
| <b>ENVIRONMENTAL</b>                     |   |                   |                   |  |                    |                    |
| Operating temperature                    | -40°C ~ +60°C ( More than 55°C derating )                     |                   |                   |  |                    |                    |
| Humidity range                           | 0~95% (non-condensing)  |                   |                   |  |                    |                    |
| Altitude                                 | 3000m   |                   |                   |  |                    |                    |
| Noise level                              | <70dB   | <70dB             | <70dB             | <65dB  | <70dB              | <65dB              |
| Protection rating                        | IP54  |                   |                   |  |                    |                    |
| <b>PHYSICAL</b>                          |   |                   |                   |  |                    |                    |
| Dimension W×D×H (mm)                     | 2991×2438×2591  |                   |                   | 4300×2438×2591<br>2991×2438×2591<br>6058×2438×2591 |                    |                    |
| Net Weight (t)                           | 3.5   | 3.6               | 3.7               | 7  | 7.2                | 7.4                |
| <b>STANDARDS</b>                         |   |                   |                   |  |                    |                    |
| CQC                                      | CNCA/CTS0004-2009A, CNCA/CTS0006-2010, NB/T 32004-2013        |                   |                   |  |                    |                    |
| CE                                       | IEC62109-1, IEC62109-2  |                   |                   |  |                    |                    |
| TUV                                      | IEC62109-1, IEC62109-2, IEC/EN61000-6-2, IEC/EN61000-6-4, etc |                   |                   |  |                    |                    |

Specifications subject to change without prior notice.