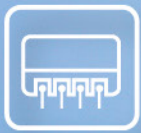


XG 100-136kW

Three Phase On-Grid Solar Inverter



9-12 MPP Trackers



150% DC Input
Oversizing



Smart I-V Curve
Diagnosis Supported



DC & AC Type II SPD



Intelligent Fault
Detection



IP66-Protection



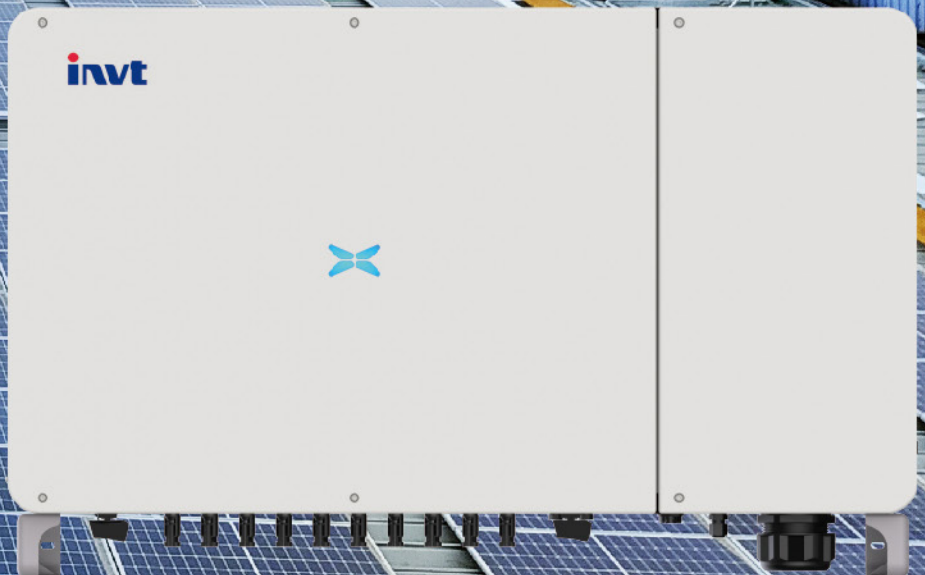
AFCI Function
(Optional)



PID Recovery Function
(Optional)



Night SVG Function
(Optional)



| | XG100KTR | XG110KTR | XG136KTR-L | XG136KTR-X |
|--|--|----------|---------------------------------------|---------------------------------------|
| Input (DC) | | | | |
| Max. Input Power | 150kW | | 160kW | |
| Max. Input Voltage | 1100V | | | |
| Start Voltage | 250V | | | |
| Rated Input Voltage | 620V | | 730V | 780V |
| Full-load MPP Voltage Range | 530V ~ 850V | | 560V ~ 850V | |
| MPPT Voltage Range | 180V ~ 1000V | | | |
| Number of MPP Trackers / String per MPPT | 9 / 2 | 10 / 2 | 12 / 2 | |
| Max. Current per MPPT | 26A | | | |
| Max. Short Circuit Current per MPPT | 40A | | | |
| Output (AC) | | | | |
| Max. Output Current | 158.8A | 174.6A | | 160.4A |
| Rated Output Power | 100kW | 110kW | 136kW | |
| Max. Output Power | 110kVA | 121kVA | 150kVA | |
| Rated Grid Frequency | 50Hz / 60Hz | | | |
| Rated Grid Voltage | 230Vac / 400Vac, 3L / N / PE, 3L / PE | | 277Vac / 480Vac, 3L / N / PE, 3L / PE | 311Vac / 540Vac, 3L / N / PE, 3L / PE |
| Power Factor | >0.99 (0.8 leading~0.8 lagging) | | | |
| THDi | <3% (Rated Power) | | | |
| Efficiency | | | | |
| Max. Efficiency | 98.70% | | | |
| European Efficiency | 98.50% | | | |
| MPPT Efficiency | 99.90% | | | |
| Protection | | | | |
| DC reverse polarity protection | Yes | | | |
| Anti-islanding protection | Yes | | | |
| AC short circuit protection | Yes | | | |
| Residual current monitoring unit | Yes | | | |
| Insulation resistance monitoring | Yes | | | |
| Ground fault monitoring | Yes | | | |
| Grid monitoring | Yes | | | |
| PV string monitoring | Yes | | | |
| Surge protection | Type II | | | |
| AFCI protection | Optional | | | |
| PID recovery function | Optional | | | |
| SVG function | Optional | | | |
| Communication | | | | |
| Display | LED / LCD / Bluetooth+App | | | |
| Communication | Standard: RS485/ USB Optional: WiFi / DRM / Bluetooth | | | |
| Standard Compliance | | | | |
| Grid Connection Standards | IEC 61727, IEC 62116, IEC 60068, IEC 61683, VDE-AR-N 4110:2018, VDE-AR-N 4105:2018, VDE-AR-N 4120:2018, EN 50549, AS/NZS 4777.2:2015, CEI 0-21, VDE 0126-1-1/A1 VFR 2014, UTE C15-712-1:2013, DEWA DRRG, NRS 097-2-1, MEA/PEA, C10/11, G98/G99 | | | |
| Safety / EMC | IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011 | | | |
| General Data | | | | |
| Dimensions (W x H x D) | 1050 x 660 x 330 mm | | | |
| Weight | 95kg | 98kg | 101kg | |
| Operating Temperature Range | -30° C ~ +60° C | | | |
| Cooling Method | Smart Cooling | | | |
| Protection Degree | IP66 | | | |
| Max. Operating Altitude | 4000m | | | |
| Relative Humidity | 0 ~ 100% | | | |
| Topology | Transformerless | | | |
| Night Power Consumption | <1W | | | |
| Warranty | 5 years (Standard) / 10 years (Optional) | | | |