

# MID 17-30KTL3-X2

- Max. efficiency up to 98.8%
- Dual MPP trackers
- String monitoring
- AC&DC type II SPD
- AFCI optional



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P O W E R  
- I N G  
T O M O R R O W

| Datasheet                                                                                                                                                                           | MID 17KTL3-X2                                | MID 20KTL3-X2 | MID 25KTL3-X2 | MID 30KTL3-X2 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------|---------------|---------------|
| Input data (DC)                                                                                                                                                                     |                                              |               |               |               |
| Max. recommended PV power (for module STC)                                                                                                                                          | 25500W                                       | 30000W        | 37500W        | 37500W        |
| Max. DC voltage                                                                                                                                                                     | 1100V                                        |               |               |               |
| Start Voltage                                                                                                                                                                       | 200V                                         |               |               |               |
| Nominal voltage                                                                                                                                                                     | 600V                                         |               |               |               |
| MPPT voltage range                                                                                                                                                                  | 200V-1000V                                   |               |               |               |
| No. of MPP trackers                                                                                                                                                                 | 2                                            |               |               |               |
| No. of PV strings per MPP tracker                                                                                                                                                   | 2                                            | 2             | 2/3           | 2/3           |
| Max. input current per MPPT tracker*                                                                                                                                                | 32A                                          | 32A           | 32A           | 32A/48A       |
| Max. short circuit current per MPPT                                                                                                                                                 | 40A                                          | 40A           | 40A           | 40A/60A       |
| Output data (AC)                                                                                                                                                                    |                                              |               |               |               |
| Rated AC output power                                                                                                                                                               | 17000W                                       | 20000W        | 25000W        | 30000W        |
| Max. AC apparent power                                                                                                                                                              | 18800VA                                      | 22000VA       | 27700VA       | 33300VA       |
| Nominal AC voltage(range*)                                                                                                                                                          | 220V/380V, 230V/400V (340-440V)              |               |               |               |
| AC grid frequency;(range*)                                                                                                                                                          | 50/60 Hz (45-55Hz/55-65 Hz)                  |               |               |               |
| Max. output current                                                                                                                                                                 | 28.6A                                        | 33.6A         | 42.0A         | 50.5A         |
| Adjustable power factor                                                                                                                                                             | 0.8leading...0.8lagging                      |               |               |               |
| THDi                                                                                                                                                                                | <3%                                          |               |               |               |
| AC grid connection type                                                                                                                                                             | 3W+N+PE                                      |               |               |               |
| Efficiency                                                                                                                                                                          |                                              |               |               |               |
| Max. efficiency                                                                                                                                                                     | 98.75%                                       | 98.75%        | 98.75%        | 98.8%         |
| European efficiency                                                                                                                                                                 | 98.6%                                        | 98.6%         | 98.6%         | 98.5%         |
| MPPT efficiency                                                                                                                                                                     | 99.9%                                        |               |               |               |
| Protection devices                                                                                                                                                                  |                                              |               |               |               |
| DC reverse polarity protection                                                                                                                                                      | Yes                                          |               |               |               |
| DC Switch                                                                                                                                                                           | Yes                                          |               |               |               |
| AC/DC surge protection                                                                                                                                                              | TypeII/Type II                               |               |               |               |
| Insulation resistance monitoring                                                                                                                                                    | Yes                                          |               |               |               |
| AC short-circuit protection                                                                                                                                                         | Yes                                          |               |               |               |
| Ground fault monitoring                                                                                                                                                             | Yes                                          |               |               |               |
| Grid monitoring                                                                                                                                                                     | Yes                                          |               |               |               |
| Anti-islanding protection                                                                                                                                                           | Yes                                          |               |               |               |
| Residual-current monitoring unit                                                                                                                                                    | Yes                                          |               |               |               |
| String monitoring                                                                                                                                                                   | Yes                                          |               |               |               |
| AFCI protection                                                                                                                                                                     | Optional                                     |               |               |               |
| General data                                                                                                                                                                        |                                              |               |               |               |
| Dimensions (W / H / D)                                                                                                                                                              | 528/415/225mm                                |               |               |               |
| Weight                                                                                                                                                                              | 22kg                                         | 22kg          | 22kg          | 24kg          |
| Operating temperature range                                                                                                                                                         | -25 °C ... +60 °C                            |               |               |               |
| Self-Consumption (night)                                                                                                                                                            | <1W                                          |               |               |               |
| Topology                                                                                                                                                                            | Transformerless                              |               |               |               |
| Cooling                                                                                                                                                                             | Smart air cooling                            |               |               |               |
| Protection degree                                                                                                                                                                   | IP65                                         |               |               |               |
| Relative Humidity                                                                                                                                                                   | 0~100%                                       |               |               |               |
| Altitude                                                                                                                                                                            | 4000m                                        |               |               |               |
| DC connection                                                                                                                                                                       | H4/MC4(Optional)                             |               |               |               |
| AC connection                                                                                                                                                                       | Cable gland+OT terminal                      |               |               |               |
| Display                                                                                                                                                                             | OLED+LED/WIFI+APP                            |               |               |               |
| Interfaces: RS485/USB/ WiFi/GPRS/RF/LAN                                                                                                                                             | Yes/Yes /Optional/Optional/Optional/Optional |               |               |               |
| Warranty: 5 years / 10 years                                                                                                                                                        | Yes/Optional                                 |               |               |               |
| CE, VDE0126, Greece, EN50549-1, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CE 0-21, N4105, TOR Erzeuger, G98/G99, G100, UNE217001, UNE206007, PO12.2, KSC8565 |                                              |               |               |               |

\* The AC voltage range and frequency range may vary depending on specific country grid standard.All specifications are subject to change without notice.