

# MOD 10-15KTL3-HU

- Battery ready, future proof
- Triple MPP trackers for more flexibility
- Integrated backup function without backup box
- Support accurate AFCI protection
- Reliable Type II SPD for both DC and AC side



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

| Datasheet                                                      | MOD 10KTL3-HU                       | MOD 11KTL3-HU  | MOD 12KTL3-HU  | MOD 13KTL3-HU  | MOD 15KTL3-HU |
|----------------------------------------------------------------|-------------------------------------|----------------|----------------|----------------|---------------|
| Input data (DC)                                                |                                     |                |                |                |               |
| Max. recommended PV power (for module STC)                     | 20000W                              | 22000W         | 24000W         | 26000W         | 30000W        |
| Max. DC voltage                                                | 1000V                               |                |                |                |               |
| Start voltage                                                  | 160V                                |                |                |                |               |
| Nominal DC voltage                                             | 600V                                |                |                |                |               |
| MPPT voltage range                                             | 140V~1000V                          |                |                |                |               |
| No. of MPP tracker                                             | 3                                   |                |                |                |               |
| No. of PV string per MPP tracker                               | 1                                   |                |                |                |               |
| Max. input current per MPP tracker                             | 20A                                 |                |                |                |               |
| Max. short-circuit current per MPP tracker                     | 25A                                 |                |                |                |               |
| Output data (AC)                                               |                                     |                |                |                |               |
| AC nominal power                                               | 10000W                              | 11000W         | 12000W         | 13000W         | 15000W        |
| Max. AC apparent power                                         | 11000VA                             | 12100VA        | 13200VA        | 14300VA        | 16500VA       |
| Nominal AC voltage                                             | 220/380V, 230/400V                  |                |                |                |               |
| AC grid frequency (range)                                      | 50/60Hz (45-55Hz/55-65Hz)           |                |                |                |               |
| Max. output current                                            | 16.7A                               | 18.3A          | 20A            | 21.7A          | 25A           |
| Adjustable power factor                                        | 0.8leading...0.8lagging             |                |                |                |               |
| THDi                                                           | <3%                                 |                |                |                |               |
| AC grid connection type                                        | 3W+N+PE/3W+PE                       |                |                |                |               |
| Battery data (DC)                                              |                                     |                |                |                |               |
| Compatible battery                                             | APX 5.0~30.0P-S2                    |                |                |                |               |
| Operating voltage range                                        | 600~980V                            |                |                |                |               |
| Max. operating current                                         | 25A                                 |                |                |                |               |
| Max. discharge power                                           | 10kW                                | 11kW           | 12kW           | 13kW           | 15kW          |
| Max. charge power                                              | 15kW                                |                |                |                |               |
| Backup output (AC)                                             |                                     |                |                |                |               |
| AC nominal power                                               | 10kW                                | 11kW           | 12kW           | 13kW           | 15kW          |
| Peak output apparent power                                     | 12kVA @10min                        | 13.2kVA @10min | 14.4kVA @10min | 15.6kVA @10min | 18kVA @10min  |
| Peak output apparent power on single phase                     | 3.33kVA                             | 3.67kVA        | 4kVA           | 3.25kVA        | 5kVA          |
| Nominal AC voltage                                             | 220/380V, 230/400V                  |                |                |                |               |
| Max. output current                                            | 18.2A                               | 20A            | 21.8A          | 23.6A          | 27.3A         |
| AC grid frequency                                              | 50/60Hz                             |                |                |                |               |
| THDv                                                           | <3%                                 |                |                |                |               |
| Efficiency                                                     |                                     |                |                |                |               |
| Max. efficiency                                                | 98.60%                              |                |                |                |               |
| European efficiency                                            | 98.10%                              |                |                |                |               |
| Protection devices                                             |                                     |                |                |                |               |
| DC reverse polarity protection                                 | Yes                                 |                |                |                |               |
| DC switch                                                      | Yes                                 |                |                |                |               |
| AC/DC surge protection                                         | 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 fault monitoring                                        | Yes                                 |                |                |                |               |
| AFCI protection                                                | Yes                                 |                |                |                |               |
| General data                                                   |                                     |                |                |                |               |
| Dimensions (W / H / D)                                         | 468/408/202mm                       |                |                |                |               |
| Weight                                                         | 20kg                                |                |                |                |               |
| Operating temperature range                                    | -25°C ... +60°C                     |                |                |                |               |
| Noise level                                                    | ≤29dB (A)                           |                |                |                |               |
| Max. operating altitude                                        | 4000m                               |                |                |                |               |
| Nighttime power consumption                                    | < 20W                               |                |                |                |               |
| Topology                                                       | Transformerless                     |                |                |                |               |
| Cooling                                                        | Natural                             |                |                |                |               |
| Protection degree                                              | IP66                                |                |                |                |               |
| Relative humidity                                              | 0~100%                              |                |                |                |               |
| DC connection                                                  | H4/MC4(Optional)                    |                |                |                |               |
| AC connection                                                  | Waterproof PG connector+OT terminal |                |                |                |               |
| Display                                                        | OLED+LED/WIFI+APP                   |                |                |                |               |
| Interfaces: RS485/CAN/USB                                      | Yes                                 |                |                |                |               |
| Monitor: WiFi-X/WiLan-X2/Grohome/Shinemaster-X                 | Optional                            |                |                |                |               |
| Warranty: 10 years                                             | Yes                                 |                |                |                |               |
| CE, N4105, EN50549-1, C10/C11, CEI0-21, G98, G99, G100, AS4777 |                                     |                |                |                |               |