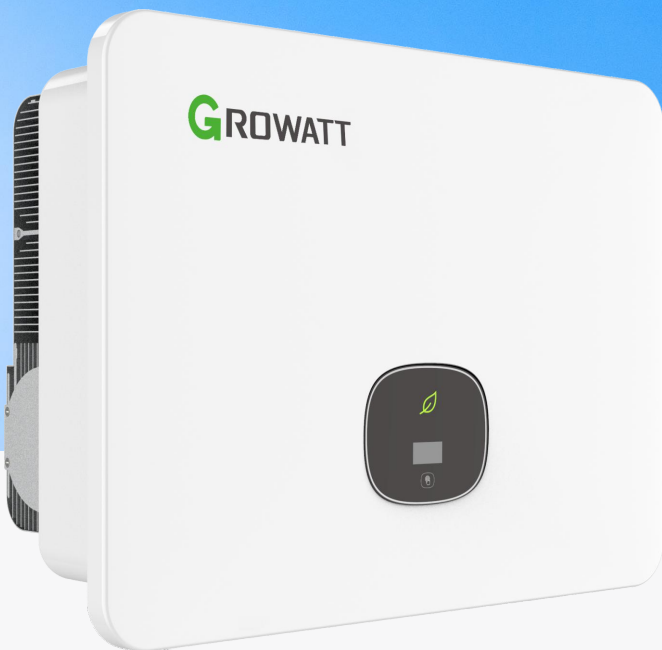


MID 50KTL3-X2

- Maximum string input current 16A
- Type II SPD on DC and AC side
- I/V curve scanning
- Intelligent string monitoring
- AFCI function optional



GROWATT

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

www.ginverter.com

preliminary

Input data (DC)

| | |
|--|-----------|
| Max. recommended PV power (for module STC) | 75000W |
| Max. DC voltage | 1100V |
| Start Voltage | 200V |
| Normal Voltage | 600V |
| MPPT voltage range | 200-1000V |
| No. of MPP trackers | 4 |
| No. of PV strings per MPP tracker | 2 |
| Max.input current per MPP tracker | 32A |
| Max. short-circuit current per MPP tracker | 40A |

Output data (AC)

| | |
|----------------------------|---------------------------------|
| AC nominal power | 50000W |
| Max. AC apparent power | 55500VA |
| 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 | 84.1A |
| Adjustable power factor | 0.8leading...0.8lagging |
| THDI | <3% |
| AC grid connection type | 3W+N+PE |

Efficiency

| | |
|---------------------|-------|
| Max. efficiency | 98.8% |
| European efficiency | 98.5% |
| MPPT efficiency | 99.9% |

Protection devices

| | |
|----------------------------------|-------------------|
| DC reverse polarity protection | Yes |
| DC Switch | Yes |
| AC/DC surge protection | Type II / 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) | 580/435/230mm |
| Weight | 37kg |
| Operating temperature range | - 25°C ... +60°C |
| Nighttime power consumption | < 1W |
| Topology | Transformerless |
| Cooling | Smart air cooling |
| Protection degree | IP66 |
| 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, CEI0-21, N4105, TOR Erzeuger, G98/G99, G100, UNE217001, UNE206007, PO12.2

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