

 **ANCHOR**
by **Panasonic**



SAFE AND RELIABLE

**GRID TIED
PV INVERTER**

20K~25KTL3X

- Reliable Performance with 98.77% maximum efficiency
- Dual MPPT for better shade performance
- Lightweight and Compact Design
- IP 65 Enclosures
- Plug & Play device with Quick configuration through OLED Display
- Export Control Feature Available
- 25 Years Data Storage over cloud



| Datasheet | 20KTL3X | 25KTL3X |
|---|-------------------------|-----------|
| Input Parameters (DC) | | |
| Max. recommended PV power (for module STC) | 30000W | 37500W |
| Max. DC voltage | 1100V | |
| Start voltage | 250V | |
| Nominal voltage | 580V | |
| MPPT voltage range | 160V-1000V | |
| No. of MPPT | 2 | |
| No. of PV strings per MPPT | 2 | 2/3 |
| Max. input current per MPPT | 25A | 25A/37.5A |
| Max. short circuit current per MPPT | 32A | 32A/48A |
| Output Parameters (AC) | | |
| Rated AC output power | 20000W | 25000W |
| Max. AC apparent power | 22000VA | 27700VA |
| Nominal AC voltage (range) | 230V/400V (340-440V) | |
| AC grid frequency (range) | 50Hz (45-55Hz) | |
| Max. output current | 31.9A | 40.2A |
| Adjustable power factor | 0.8leading...0.8lagging | |
| THDi | <3% | |
| AC grid connection type | 3W+ N+ PE | |
| Product Efficiency | | |
| Max. efficiency | 98.75% | |
| European efficiency | 98.6% | |
| MPPT efficiency | 99.9% | |
| System Protections | | |
| 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 | |
| General data | | |
| Dimensions (W / H / D) | 525/395/222mm | |
| Weight | 23kg | |
| Operating temperature range | -25 °C ... +60 °C | |
| Noise emission (typical) | ≤40 dB(A) | |
| Self-Consumption (night) | <1W | |
| Topology | Transformerless | |
| Cooling | Smart air cooling | |
| Protection degree | IP65 | |
| Relative Humidity | 0-100% | |
| Altitude | 4000m | |
| DC connection | H4 | |
| AC connection | Cable gland+OT terminal | |
| Display | OLED+LED/WIFI+APP | |
| Interfaces: RS485/Wi-Fi/GPRS | Yes/Yes/Optional | |
| Warranty | 10 years | |
| IEC 61000, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 62109, IP 65 | | |

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Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. Color differences of the product relative to the figures as well as discolorations of/in the products which do not impair their proper functioning are possible and do not constitute a deviation from the specification.