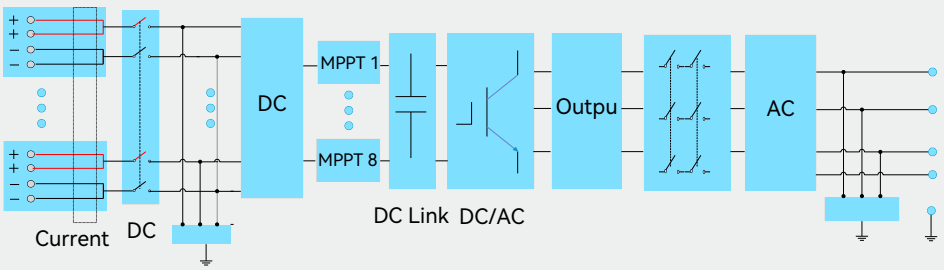
GROWATT

# MAX 100~125KTL3-X2 LV

- 8 MPPTs fusefree design
- Max. string current up to 22.5A
- Smart I/V scan and diagnosis
- Intelligent string monitoring
- AC&DC type II SPD
- IP66 protection




## Topology Diagram




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| Datasheet | MAX 100KTL3-X2 LV | MAX 110KTL3-X2 LV | MAX 120KTL3-X2 LV | MAX 125KTL3-X2 LV |
|---|---|---|---|---|
| **Input data (DC)** | | | | |
| Max. DC voltage | 1100V | | | |
| Start voltage | 195V | | | |
| Nominal voltage | 600V | | | |
| MPP voltage range | 180V-1000V | | | |
| No. of MPP trackers | 8 | | | |
| No. of PV strings per MPP tracker | 2 | | | |
| Max. input current per MPP tracker | 45A | | | |
| Max. short-circuit current per MPP tracker | 56.5A | | | |
| **Output data (AC)** | | | | |
| AC nominal power | 100000W | 110000W | 120000W | 125000W |
| Max. AC apparent power | 110000VA | 121000VA | 132000VA | 137500VA |
| 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 | 158.8A@400V<br>167.1A@380V | 174.6A@400V<br>183.8A@380V | 190.5A@400V<br>200.5A@380V | 198.5A@400V<br>208.9A@380V |
| Adjustable power factor | 0.8leading ...0.8lagging | | | |
| THDi | <3% | | | |
| AC grid connection type | 3W/N/PE | | | |
| **Efficiency** | | | | |
| Max.efficiency | 98.8% | | | |
| European efficiency | 98.4% | 98.5% | 98.5% | 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 | | | |
| String detection | Yes | | | |
| Anti-PID function | Optional | | | |
| Arc fault detection (AFCI) | Optional | | | |
| **General data** | | | | |
| Dimensions (W / H / D) | 970/640/345mm | | | |
| Weight | 84kg | | | |
| Operating temperature range | -30°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 | LED/WIFI+APP | | | |
| Interfaces: RS485/USB/ GPRS/4G/WiFi | Yes/Yes/Optional/Optional/Optional | | | |
| Warranty: 5 years / 10 years | Yes/Optional | | | |
| | CE,UKCA,IEC 62116/61727,Poland Type A/B,CEI 0-16,CEI 0-21,C10/C11,EN 50549-1,EN 50549-2,EN 50549-1/10,N4105, N4110,VDE 0126,UNE 217001,UNE 217002,NTS Type C,IEEE1547,UIL 1741,IEC 61683/60068,CB,BIS | | | |

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

**SHENZHEN GROWATT NEW ENERGY CO.,LTD.**
T: + 86 755 2747 1900 F: + 86 755 2749 1460
A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
E: info@growatt.com