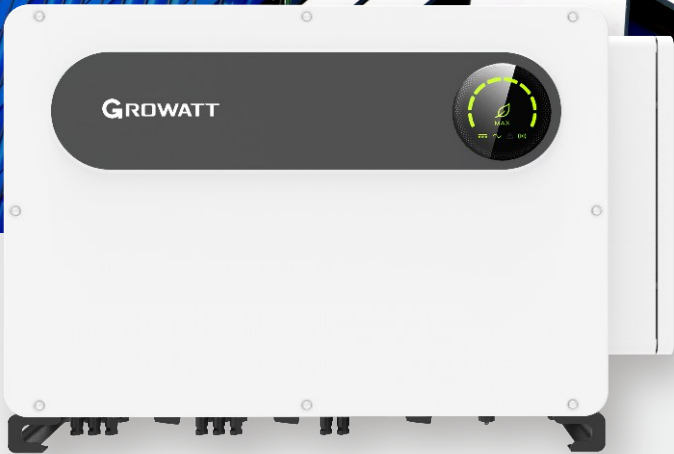
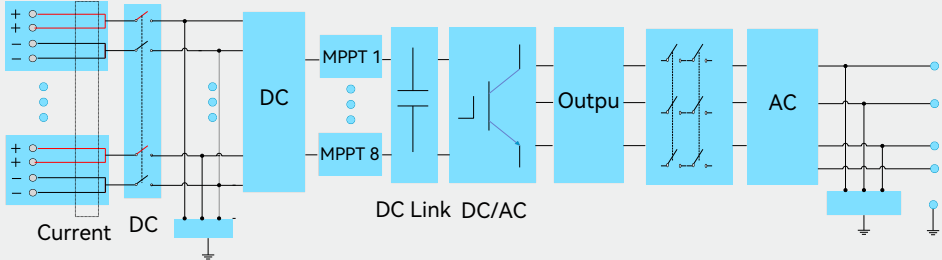


# MAX 100~125KTL3-X2 LV

- 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



Datasheet	MAX 100KTL3-X2 LV	MAX 110KTL3-X2 LV	MAX 120KTL3-X2 LV	MAX 125KTL3-X2 LV
<b>Input data (DC)</b>				
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	
<b>Output data (AC)</b>				
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 167.1A@380V	174.6A@400V 183.8A@380V	190.5A@400V 200.5A@380V	198.5A@400V 208.9A@380V
Adjustable power factor	0.8leading ...0.8lagging			
THDi	<3%			
AC grid connection type	3W/N/PE			
<b>Efficiency</b>				
Max. efficiency			98.8%	
European efficiency	98.4%	98.5%	98.5%	98.5%
MPPT efficiency			99.9%	
<b>Protection devices</b>				
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	
<b>General data</b>				
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.