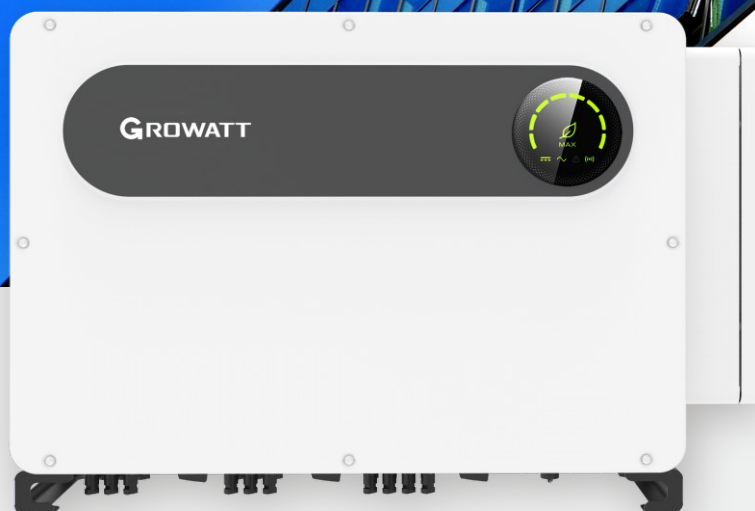
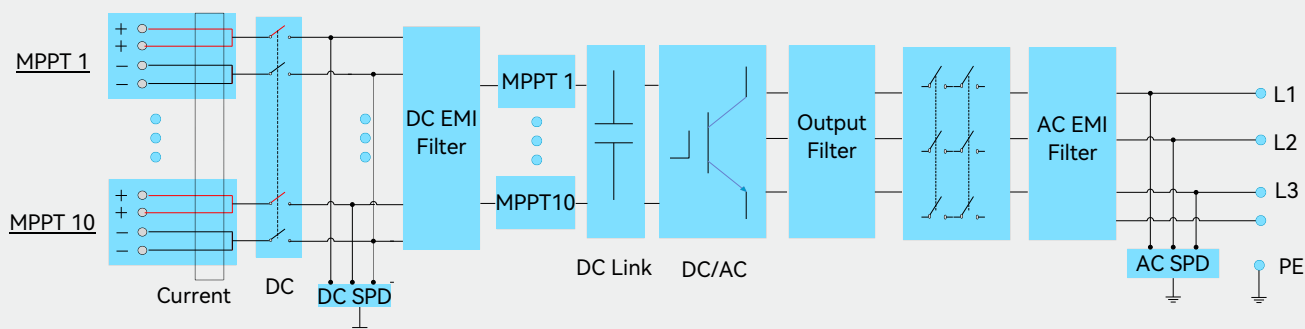


MAX 100-125KTL3-X LV

- 10 MPPTs fusefree design
- Smart I/V scan and diagnosis
- Intelligent string monitoring
- AC&DC type II SPD
- IP66 protection



Topology Diagram



Datasheet	MAX 100KTL3-X LV		MAX 110KTL3-X LV		MAX 120KTL3-X LV		MAX 125KTL3-X LV	
Input data (DC)								
Max. DC voltage					1100V			
Start voltage					195V			
Nominal voltage					600V			
MPP voltage range					180V-1000V			
No. of MPP trackers					10			
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	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							
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					Yes			
Arc fault detection AFCI*					Yes			
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 Cooling			
Protection degree					IP66			
Relative humidity					0~100%			
Altitude					4000m			
DC connection					H4/MC4 (Max.6mm²)			
AC connection					OT Terminal (Max. 240mm²)			
Display					LED/WIFI+APP			
Monitor					ShineWilan-X2 (for single device), ShineMaster4G-X or SEM-XA-R (for parallel devices)			
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.

* AFCI function need to be activated after installation.