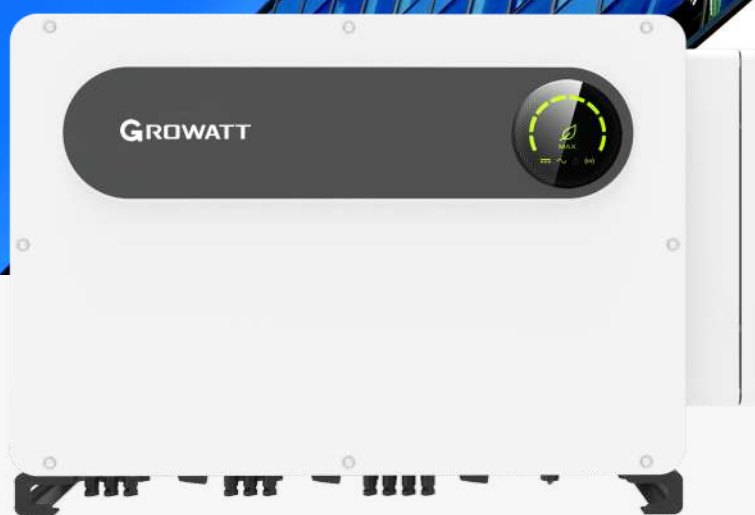
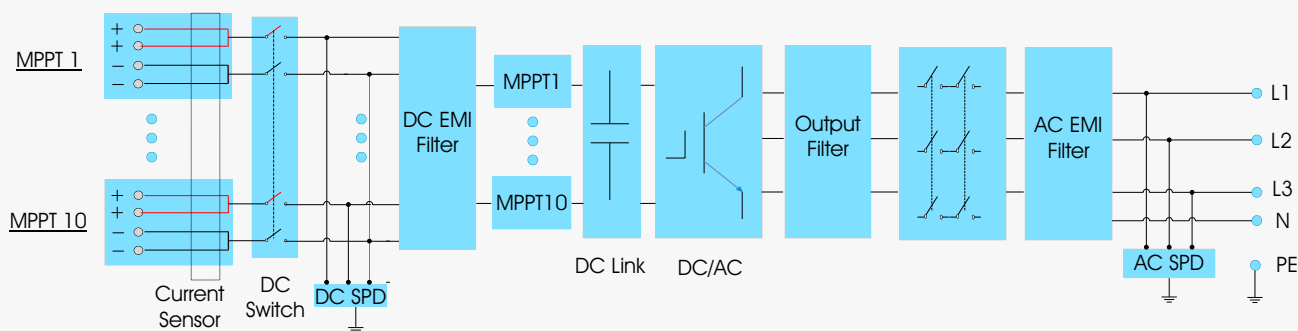


MAX 100~125KTL3-X LV

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



Topology Diagram



Primary Specification

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*)					400V/380V(340-440VAC)			
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					Opt			
Arc fault detection (AFCI)					Opt			
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			
Interfaces: RS485 / USB /PLC/GPRS/4G/WIFI					Yes/Yes/Optional/Optional/Optional/Optional			
Warranty: 5 years / 10 years					Yes /Optional			
CE,IEC62116, IEC61727, CQC, VDE0126, VFR2019, EN50549-1, C10/C11, UNE206007, G99 CEI 0-21/0-16, N4105, UNE206006,MEA, PEA, KSC8565								

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

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