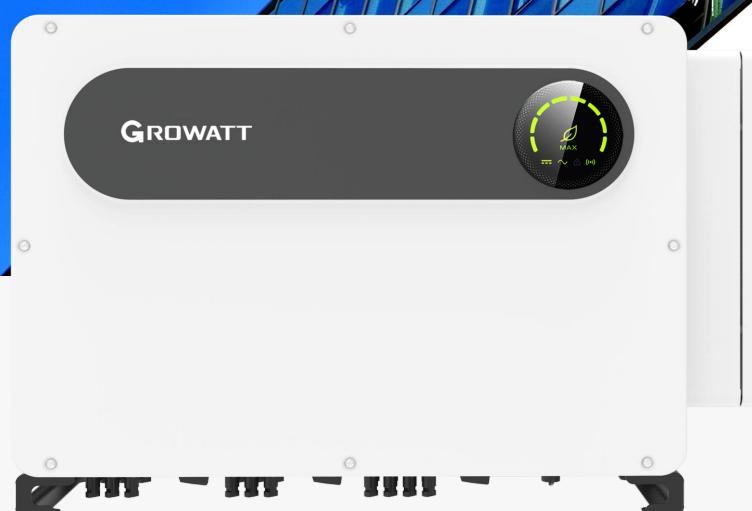
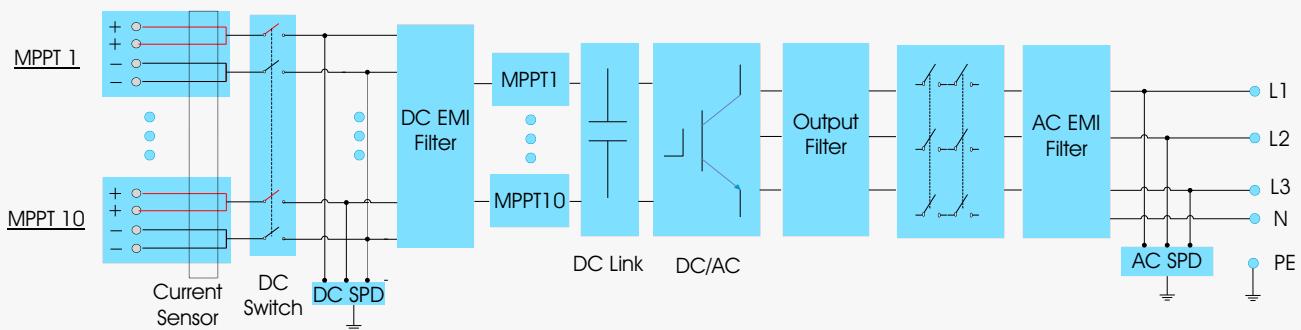


MAX 100~125KTL3-X LV

- 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		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 (Max.6mm ²)		
AC connection		OT Terminal (Max. 240mm ²)		
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, UKCA, IEC62116, IEC61727, CQC, VDE0126, VFR2019, EN50549-1/-2, 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.