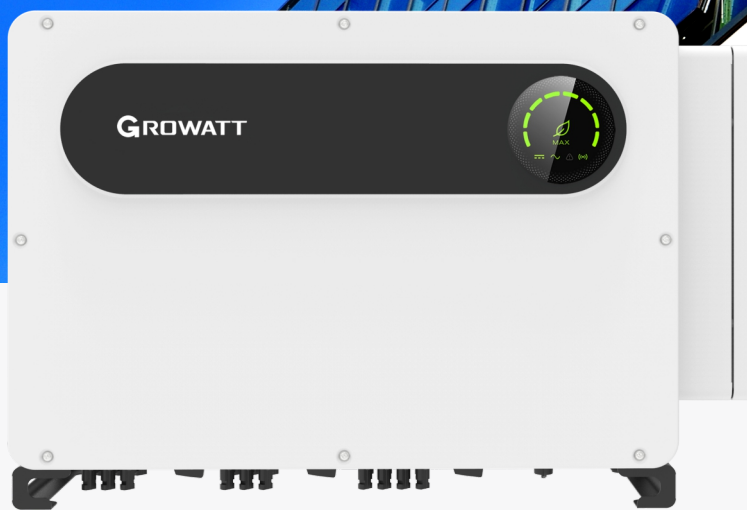
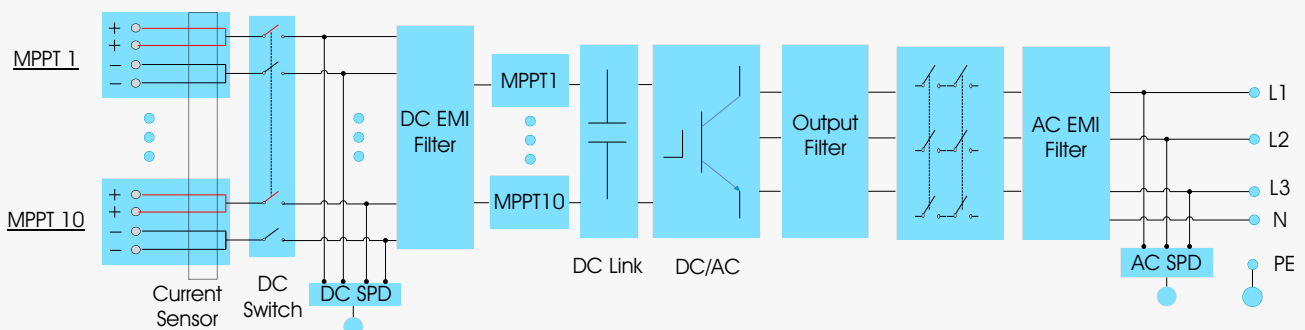


MAX 80~133KTL3-X LV

- 7/10 MPPTs fusefree design
- Smart I/V scan and diagnosis
- Intelligent string monitoring
- AC&DC type II SPD
- IP66 and C5 protection



Topology Diagram



Primary Specification

Datasheet	MAX 80KTL3-X LV	MAX 100KTL3-X LV	MAX 110KTL3-X LV	MAX 120KTL3-X LV	MAX 125KTL3-X LV	MAX 133KTL3-X LV
Input data (DC)						
Max. recommended PV power (for module STC)	120000W	150000W	165000W	180000W	187500W	199500W
Max. DC voltage	1100V					
Start voltage	195V					
Nominal voltage	600V					
MPP voltage range	180V-1000V					
No. of MPP trackers	7	10	10	10	10	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	80000W	100000W	110000W	120000W	125000W	133000W
Max. AC apparent power	88000VA	110000VA	121000VA	132000VA	137500VA	146300VA
Nominal AC voltage(range*)	230V/400V(340-440VAC)					
AC grid frequency (range*)	50/60 Hz(45~55Hz/55-65 Hz)					
Max. output current	127A	158.8A	174.6A	190.5A	198.5A	211.2A
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%	98.4%	98.5%	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					
Place of production	Made in China					
CE,IEC62116, IEC61727, CQC, VDE0126, VFR2019, EN50549-1/2, C10/C11, UNE206007, G99 CEI 0-21/0-16, N4105&N4110, 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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