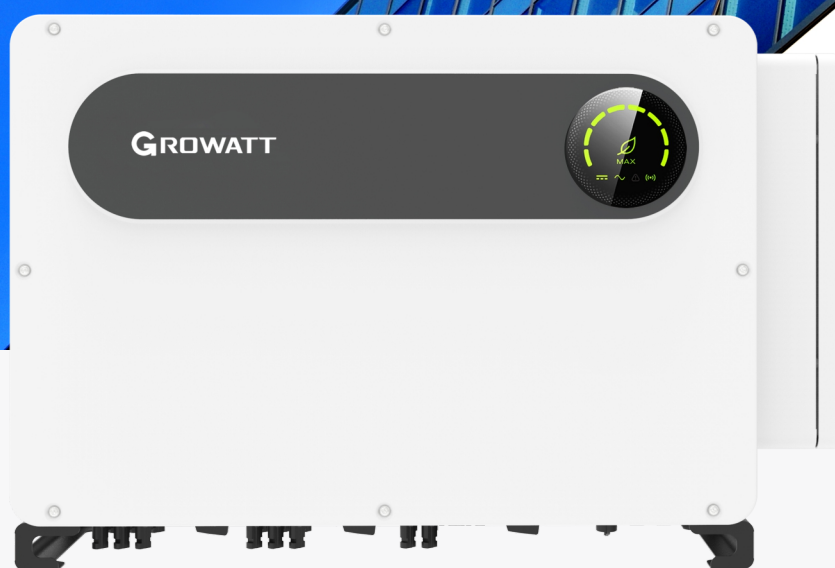
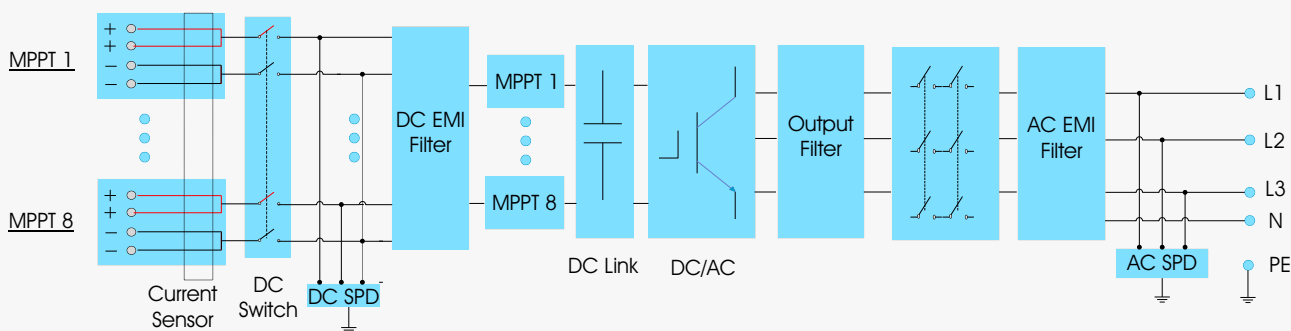


MAX 100~125KTL3-X2 LV

- 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

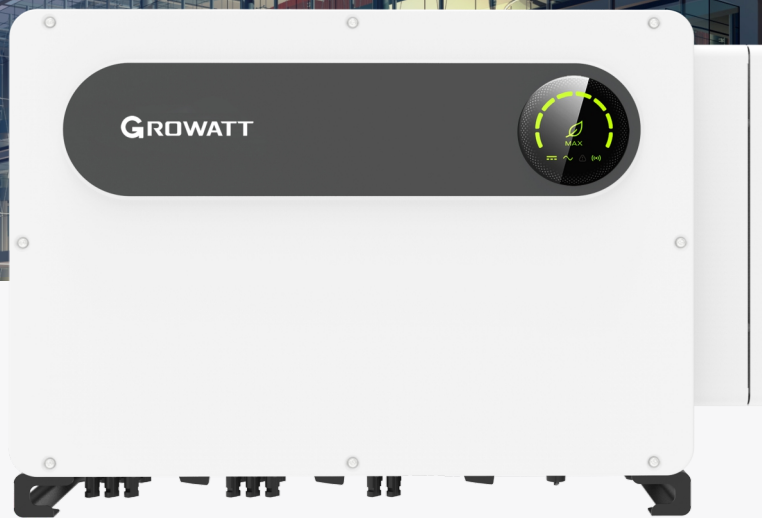


Datasheet	MAX 100KTL3-X2 LV	MAX 110KTL3-X2 LV	MAX 120KTL3-X2 LV	MAX 125KTL3-X2 LV
Input data (DC)				
Max. DC voltage	1100V			
Start voltage	195V			
Nominal voltage	600V			
MPP voltage range	180V-1000V			
No. of MPP trackers	8			
No. of PV strings per MPP tracker	2			
Max. input current per MPP tracker	45A			
Max. short-circuit current per MPP tracker	56.5A			
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 air 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				

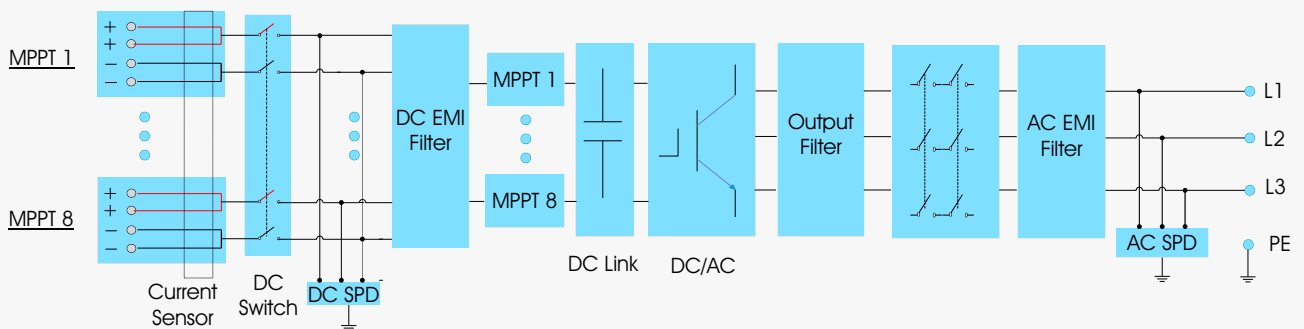
* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.

MAX 124~150KTL3-X2 MV

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



Topology Diagram



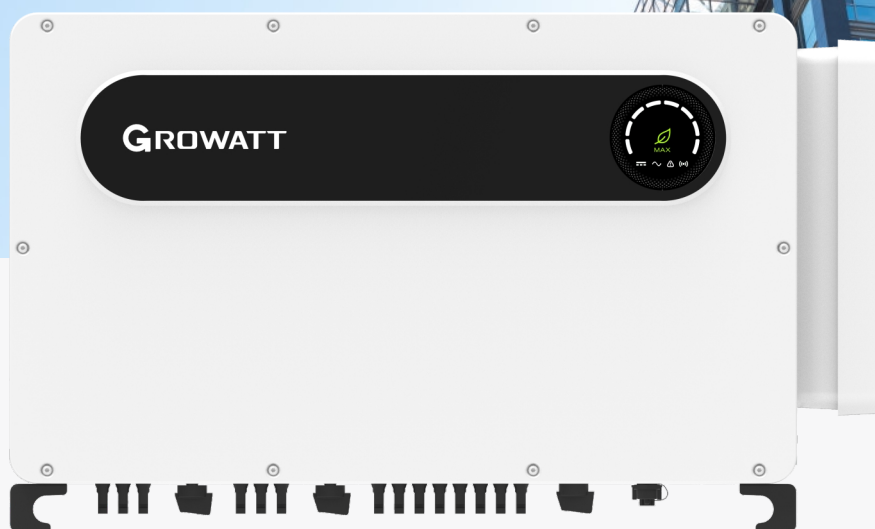
Primary Specification

Datasheet	MAX 124KTL3-X2 MV	MAX 125KTL3-X2 MV	MAX 136KTL3-X2 MV	MAX 150KTL3-X2 MV
Input data (DC)				
Max. recommended PV power (for module STC)	186000W	187500W	204000W	204000W
Max. DC voltage	1100V			
Start voltage	195V			
Nominal voltage	720V			
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			
Output data (AC)				
AC nominal power	124000W	125000W	136000W	150000W
Max. AC apparent power	136400VA	137500VA	150000VA	165000VA
Nominal AC voltage (range*)	277V/480V 422-528VAC			
AC grid frequency (range*)	50/60 Hz (45~55Hz/59.5-60.5 Hz)			
Max. output current	164.1A	165.4A	179.9A	198.5A
Adjustable power factor	0.8leading ...0.8lagging			
THDi	<3%			
AC grid connection type	3W/PE			
Efficiency				
Max. efficiency	99.00%			
European efficiency	98.50%			
MPPT efficiency	99.90%			
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 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 /PLC	Yes/Yes/Optional			
Warranty:5/10 years	Yes/Optional			
CE, IEC62116, IEC61727, UL1741, IEEE1547				

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

MAX 150KTL3-X LV

- 10 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



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P O W E R
- I N G
T O M O R R O W
R R O W

Datasheet	MAX 150KTL3-X LV
Input data (DC)	
Max. recommended PV power (for module STC)	225000W
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	6*2+4*3
Max. input current per MPP tracker	45A
Max. short-circuit current per MPP tracker	56.5A
Output data (AC)	
AC nominal power	150000W@380V, 400V/150000W@50°C, 400V
Max. AC apparent power	165000VA
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	250.7A@380V 238.2A@400V
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%
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)	1075/640/367mm
Weight	93kg
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, IEC62116, IEC61727	

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