

MAX 50~75KTL3-XL 2

- 8 MPPTs y diseño sin fusibles
- Escaneo y diagnóstico inteligente de I/V
- Monitoreo inteligente de cadenas
- SPD tipo II de CA y CC
- Protección IP66 y C5

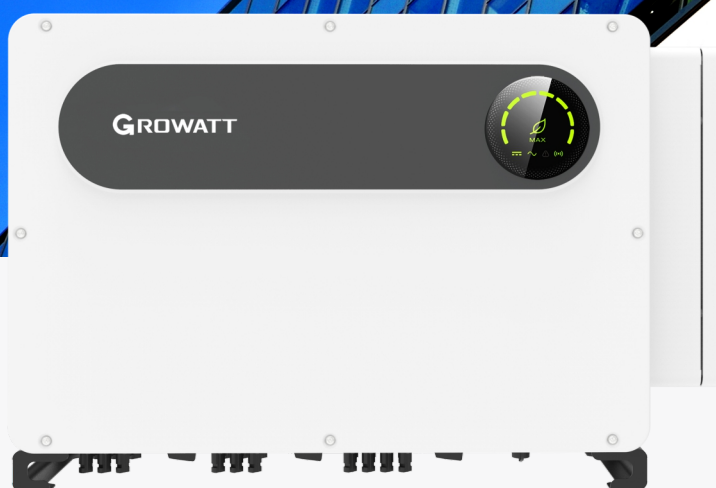
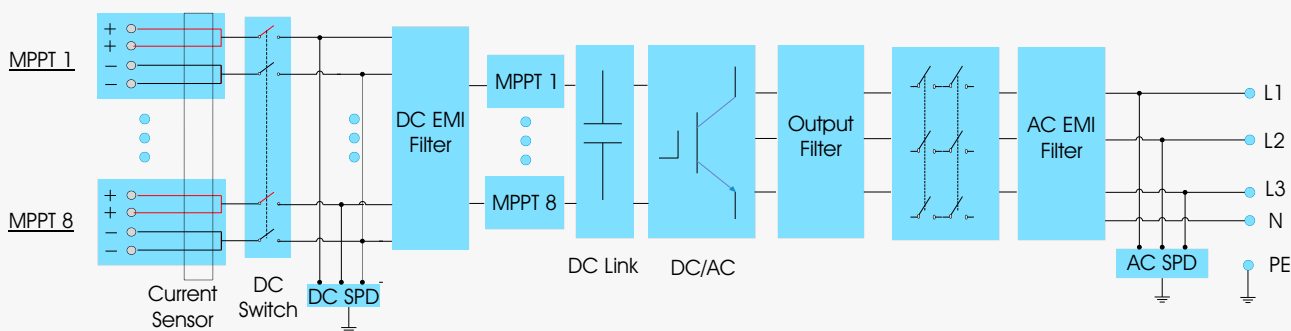


Diagrama unifilar



Especificaciones primarias

Hoja de datos	MAX 50KTL3-XL 2	MAX 60KTL3-XL 2	MAX 70KTL3-XL 2	MAX 75KTL3-XL 2
Datos de entrada (CD)				
Máxima potencia FV recomendada (STC)	100000W	120000W	105000W	112500W
Rango de potencia máxima	370-600V			
Voltaje de arranque	195V			
Voltaje nominal	550V			
Rango de voltaje de MPPT	180V-850VDC			
Número de MPPTs	8			
Cadenas por MPPT	2			
Máxima corriente por MPPT	40A			
Corriente de corto circuito por MPPT	50A			
Salida (CA)				
Potencia nominal CA	50000W	60000W	70000W	75000W
Potencia aparente máxima	55000VA	66000VA	66000VA @208V 70000VA @220V 73000VA @230V	71000VA @208V 75000VA @220V 78400VA @230V
Voltaje nominal CA (Rango*)	127V/220V (101.6-139.7V)			
Frecuencia de red CA (Rango*)	50/60 Hz (45~55Hz/55-65 Hz)			
Corriente máxima de salida	145.8A @220V	175.0A @220V	183.7A @220V	196.9A @220V
Factor de potencia nominal/ ajustable	>0.99 / +0.8 ... -0.8			
Distorsión armónica total	<3%			
Tipo de conexión CA	3W/PE ó 3W/N/PE			
Eficiencia				
Máxima eficiencia	98.80%			
Eficiencia europea	98.30%			
Eficiencia de MPPT	99.90%			
Dispositivos de protección				
Protección de polaridad inversa CD	Sí			
Interruptor CD	Sí			
Protección contra sobretensión CA/CD	Clase II / Clase II			
Monitoreo de resistencia de aislamiento	Sí			
Protección de corto circuito CA	Sí			
Monitoreo de falla a tierra	Sí			
Monitoreo de cadenas	Sí			
Función Anti-PID	Opcional			
AFCI	Sí			
Datos generales				
Dimensiones	970/640/345mm			
Peso	84kg			
Rango de temperatura de operación	-30°C ... +60°C			
Autoconsumo (noche)	< 1W			
Topología	Sin transformador			
Enfriamiento	Enfriamiento Inteligente			
Grado de protección	IP66			
Humedad relativa	0~100%			
Altitud	4000m			
Conexión CD	H4/MC4			
Conexión CA	Conectores de terminales OT (máx. 240 mm²)			
Pantalla	LED/WIFI+APP			
Comunicación: RS485 / USB / WIFI / GPRS / RF / LAN	Sí / Sí / Opcional / Opcional / Opcional / Opcional			
Garantía: 5 años / 10 años	Sí /Opcional			
CE,IEC62116, IEC61727, UI1741 IEEE1547				

* El rango de voltaje y frecuencia de CA puede variar dependiendo del estándar de la red del país.
Todas las especificaciones están sujetas a cambios sin previo aviso.

MAC 50~70KTL3-X LV/MV

- 3 MPPTs
- Smart diagnosis
- High efficiency up to 98.8%
- OLED display and touch button
- AC&DC type II SPD



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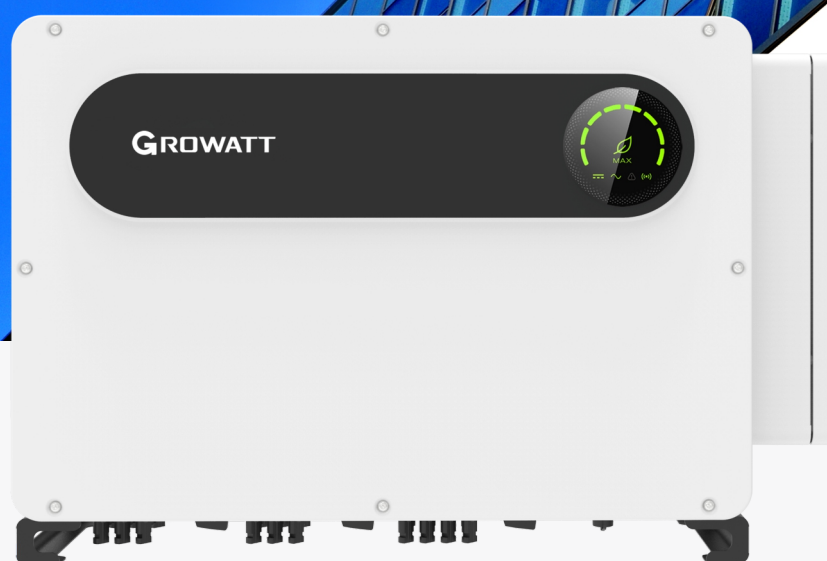
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Datasheet	MAC 50KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X LV	MAC 60KTL3-X MV	MAC 70KTL3-X MV
Inputu Data(DC)					
Max. recommended PV power(for module STC)	75000W	75000W	90000W	90000W	105000W
Max.DC voltage	1100V				
Start voltage	250V				
Nominal voltage	600V	700V	600V	700V	700V
MPPT voltage range	200V-1000V				
No. of MPP trackers	3				
No. of PV strings per MPP tracker	4/3/3	4/3/3	4/4/4	4/4/4	4/4/4
Max. input current per MPP tracker	52A/39A/39A	52A/39A/39A	52A/52A/52A	52A/52A/52A	52A/52A/52A
Max. short-circuit current per MPP tracker	55A				
Output Data(AC)					
Rated AC output power	50000W	50000W	60000W	60000W	70000W
Max. AC apparent power	55500VA	55500VA	66600VA	66600VA	77700VA
Nominal AC voltage (range*)	230V/400V (340-440V)	277V/480V (425-540V)	230V/400V (340-440V)	277V/480V (425-540V)	277V/480V (425-540V)
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)				
Max. output current	80.5A	66.9A	96.6A	80.2A	93.6A
Adjustable power factor	0.8leading ...0.8lagging				
THDI	<3%				
AC grid connection type	3W+N+PE	3W+PE	3W+N+PE	3W+PE	3W+PE
Efficiency					
Max. efficiency	98.8%				
European efficiency	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				
Grid monitoring	Yes				
Anti-islanding protection	Yes				
Residual-current monitoring unit	Yes				
General Data					
Dimensions(W / H / D)	680/508/281mm				
Weight	52kg				
Operating temperature range	- 25°C ... +60°C				
Nighttime power consumption	<1W				
Topology	Transformerless				
Cooling	Smart air cooling				
Protection degree	IP65				
Relative humidity	0—100%				
Altitude	4000m				
DC connection	H4/MC4(Optional)				
AC connection	Cable gland+OT terminal				
Display	OLED+LED/WIFI+APP				
Interfaces: RS485 / USB /WIFI/ GPRS / RF	Yes/Yes /Optional/Optional/Optional				
Warranty: 5 years / 10 years	Yes/Optional				
CE, IEC62116, IEC61727, IEC60068, IEC61683, IEEE1547					

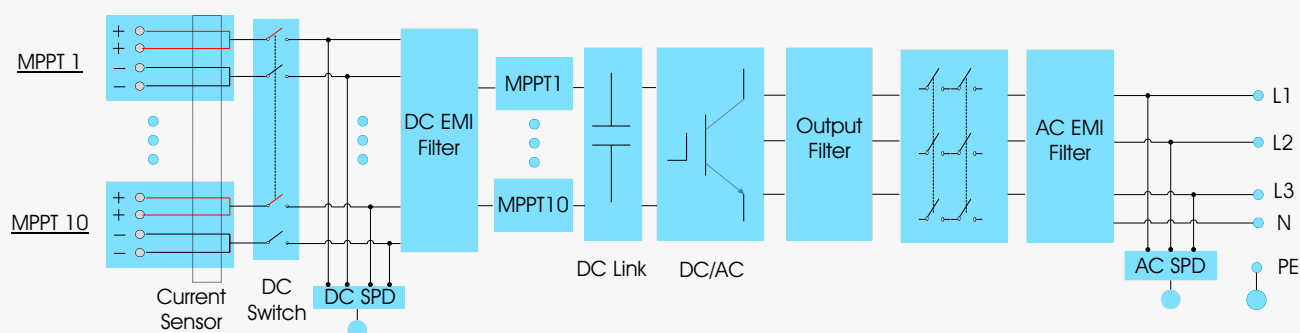
* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.

MAX 124~150KTL3-X MV

- 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 124KTL3-X MV	MAX 125KTL3-X MV	MAX 136KTL3-X MV	MAX 150KTL3-X 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	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	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/N/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	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			
AC connection	OT Terminal connectors (Max. 240mm²)			
Display	LED/WIFI+APP			
Interfaces: RS485 / USB /PLC	Yes/Yes /Optional			
Warranty: 5 years / 10 years	Yes /Optional			
CE, IEC62116, IEC61727,ROHS, 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.