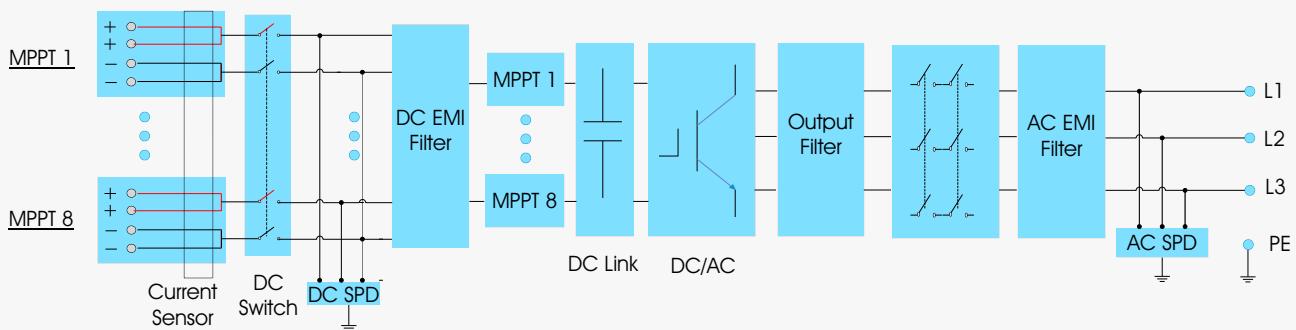


MAX 124~150KTL3-X2 MV

- 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.