

# MAX 25~50KTL3-XL

- 6MPPTs
- Smart diagnosis
- High efficiency up to 99%
- Local WIFI connection
- String monitoring
- AC&DC type II SPD
- AFCI protection



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Datasheet	MAX 25KTL3-XL	MAX 30KTL3-XL	MAX 35KTL3-XL	MAX 40KTL3-XL	MAX 50KTL3-XL
<b>Input data (DC)</b>					
Max. recommended PV power (for module STC)	37500W	45000W	52500W	60000W	75000W
Max.DC voltage	1100V				
Start voltage	250V				
Nominal voltage	360V				450V
MPPT voltage range	200V-1000V				
No. of MPP trackers	6				
No. of PV strings per MPP tracker	2				
Max. input current per MPP tracker	26A				
Max. short-circuit current per MPP tracker	32A				
<b>Output data (AC)</b>					
AC nominal power	25000W	30000W	35000W	40000W	50000W
Max. AC apparent power	27700VA	33300VA	38800VA	44400VA	50000VA
Nominal AC voltage (range*)	133V/230V				
AC grid frequency (range*)	50/60 Hz (47.5-52Hz/55-65 Hz)				
Max. output current	69.5A	83.6A	97.4A	111.5A	125.5A
Adjustable power factor	0.8leading ...0.8lagging				
THDi	<3%				
AC grid connection type	3W+PE				
<b>Efficiency</b>					
Max. efficiency	98.70%		98.80%		
European efficiency	98.2%		98.30%		
<b>Protection devices</b>					
DC reverse polarity protection	Yes				
DC switch	Yes				
AC/DC surge protection	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				
String monitoring	Yes				
AFCI protection	Yes				
<b>General data</b>					
Dimensions (W / H / D)	860/600/300mm				
Weight	82kg				
Operating temperature range	-25°C ... +60°C(>45°C Derating)				
Noise emission (typical)	≤60dB(A)				
Self-consumption	1W				
Topology	Transformerless				
Cooling	Fan cooling				
Protection degree	IP65				
Relative humidity	0-100%				
Altitude	4000m				
DC connection	H4				
AC connection	Cable gland+OT terminal				
Display	LED/WIFI+APP				
Interfaces: RS485 / USB /WIFI/GPRS/4G	Yes/Yes /Optional/Optional/Optional				
CE ,EN50549					