

# MAX 25~50KTL3 XL

- 6MPPTs
- High efficiency up to 99%
- Local WIFI configuration
- Smart diagnosis
- 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			800V		
Start voltage			250V		
Nominal voltage			360V		
MPPT voltage range			200V-800V		
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 (45-55Hz/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 / 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)		
Self-consumption			1W		
Topology			Transformerless		
Cooling			Smart air 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 /Opt/Opt/Opt		
CE , EN 50549					

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