

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
Input data (DC)					
Max. recommended PV power (for module STC)	37500W	45000W	52500W	60000W	75000W
Max.DC voltage	1100V				
Start voltage	250V				
Nominal voltage	360V				
MPPT voltage range	200V-850V				
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				
Output data (AC)					
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+N+PE				
Efficiency					
Max. efficiency	98.70%			98.80%	
European efficiency	98.2%			98.30%	
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				
String monitoring	Yes				
AFCl protection	Yes				
General data					
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 /Optional/Optional/Optional				
CE , VDE0126, Greece, EN50438, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, CEI 0-16, N4105, BDEW, DRRG, TOR Erzeuger G98/G99, G100, AS/NZS3100, AS4777, UNE21 7001, UNE206007, PO12.2, NRS 097-2-1, MEA , PEA , KSC8565					

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