

MAX 50~80KTL3 LV

- 6 /7MPPTs, fusefree design
- High efficiency up to 99%
- One-click diagnosis
- String monitoring
- AC&DC type II SPD
- AFCI optional



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Datasheet	MAX 50KTL3 LV	MAX 60KTL3 LV	MAX 70KTL3 LV	MAX 80KTL3 LV
Input data (DC)				
Max. recommended PV power (for module STC)	75000W	90000W	105000W	120000W
Max. DC voltage		1100V		
Start voltage		250V		
Nominal voltage	585V	585V	600V	600V
MPPT voltage range		200V-1000V		
No. of MPP trackers	6	6	7	7
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	50000W	60000W	70000W	80000W
Max. AC apparent power	55500VA	66600VA	77700VA	88800VA
Nominal AC voltage(range*)		220V/380V, 230V/400V (340-440V)		
AC grid frequency(range*)		50/60 Hz (45-55Hz/55-65 Hz)		
Max. output current	80.5A	96.6A	112.7A	128.8A
Adjustable power factor		0.8leading ...0.8lagging		
THDi		<3%		
AC grid connection type		3W+N+PE		
Efficiency				
Max.efficiency	98.8%	98.8%	99%	99%
European efficiency	98.4%	98.4%	98.5%	98.5%
MPPT efficiency		99.9%		
Protection devices				
DC reverse polarity protection		Yes		
DC switch		Yes		
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		Optional		
General data				
Dimensions (W / H / D)		860/600/300mm		
Weight	82kg	82kg	86kg	86kg
Operating temperature range		-25°C ... +60°C		
Self-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		LED/WIFI+APP		
Interfaces: RS485 / USB /WIFI/ RF/GPRS		Yes/Yes /Optional/Optional/Optional		
Warranty: 5 years / 10 years		Yes /Optional		

CE , VDE0126, Greece, EN50438, EN50549-1, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, CEI 0-16, N4105, DRRG, G98/G99, G100, 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.