

MAX 60~100KTL3 MV

- 6/7 MPPTs
- Smart diagnosis
- High efficiency up to 99%
- Local WIFI connection
- String monitoring
- AC&DC type II SPD
- AFCI protection optional
- Data storage up to 25 years
- DC side 2 in 1 connection enabled



P O W E R
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Datasheet	MAX 60KTL3 MV	MAX 70KTL3 MV	MAX 80KTL3 MV	MAX 90KTL3 MV	MAX 100KTL3 MV
Input data (DC)					
Max. recommended PV power(for module STC)	90000W	105000W	120000W	130000W	130000W
Max.DC voltage	1100V				
Start voltage	250V				
Nominal voltage	700V	700V	700V	730V	730V
Nominal voltage	200V-1000V				
No. of MPP trackers	6	7	7	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	60000W	70000W	80000W	90000W	100000W
Max. AC apparent power	66600VA	77700VA	88800VA	100000VA	111000VA
Nominal AC voltage (range*)	277V/480V 425-540VAC	277V/480V 425-540VAC	277V/480V 425-540VAC	288V/500V 425-540VAC	288V/500V 425-540VAC
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)				
Max. output current	80.2A	93.6A	107.0A	115.7A	128.6A
Adjustable power factor	0.8leading ...0.8lagging				
THDI	<3%				
AC grid connection type	3W+PE				
Efficiency					
Max. efficiency	99.0%				
European efficiency	98.5%	98.5%	98.6%	98.6%	98.6%
MPPT efficiency	99.9%				
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				
AFCI protection	Optional				
Anti-PID function	Optional				
General data					
Dimensions (W / H / D)	860/600/300mm				
Weight	82kg	86kg	86kg	86kg	86kg
Operating temperature range	-25°C ... +60°C				
Noise emission (typical)	≤60dB(A)				
Nighttime power 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, UTE C 15-712, IEC62116,IEC61727, IEC 60068, IEC 61683, N4105, G98/G99, G100					

* For current models and certificates , please see www.ginverter.com.

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