

MOD 3000~9000TL3-X

- Max. efficiency 98.6%
- OLED and Touch button
- Type II SPD on DC and AC side
- String Monitoring
- AFCI optional



P O W E R
- I N G
T O M O R R O W
R R O W



Datasheet	MOD 3000TL3-X	MOD 4000TL3-X	MOD 5000TL3-X	MOD 6000TL3-X	MOD 7000TL3-X-AU	MOD 8000TL3-X-AU	MOD 9000TL3-X-AU
Input data (DC)							
Max. recommended PV power (for module STC)	4500W	6000W	7500W	9000W	10500W	12000W	13500W
Max. DC voltage	1100V						
Start voltage	200V						
Nominal voltage	580V						
MPPT voltage range	140V-1000V						
No. of MPP trackers	2						
No. of PV strings per MPP tracker	1	1	1	1	1/2	1/2	1/2
Max. input current per MPP tracker	13A	13A	13A	13A	13/26	13/26	13/26
Max. short-circuit current per MPP tracker	16A	16A	16A	16A	16/32	16/32	16/32
Output data (AC)							
AC nominal power	3000W	4000W	5000W	6000W	7000W	8000W	9000W
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA	7700VA	8800VA	9900VA
Nominal AC voltage (range*)	220V/400V (340-440V)						
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)						
Max. output current	5A	6.7A	8.3A	10.0A	11.7A	13.3A	15.0A
Adjustable power factor	0.8leading...0.8lagging						
THDi	<3%						
AC grid connection type	3W+N+PE						
Efficiency							
MAX. efficiency	98.3%	98.3%	98.3%	98.3%	98.6%	98.6%	98.6%
European efficiency	97.5%	97.5%	97.5%	97.5%	98.1%	98.1%	98.1%
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 fault monitoring	Yes	Yes	Yes	Yes	Optional	Optional	Optional
AFCI protection	Optional						
General data							
Dimensions (W / H / D)	425/387/138mm	425/387/138mm	425/387/138mm	425/387/138mm	425/387/178mm	425/387/178mm	425/387/178mm
Weight	13.5kg	13.5kg	13.5kg	13.5kg	15kg	15kg	15kg
Operating temperature range	- 25°C ... +60°C						
Noise emission (typical)	≤35 dB(A)						
Nighttime power consumption	< 1W						
Topology	Transformerless						
Cooling	Natural convection						
Protection degree	IP65						
Relative humidity	0~100%						
Altitude	4000m						
DC connection	H4/MC4(Optional)						
AC connection	Connector						
Display	OLED+LED/WIFI+APP						
Interfaces: RS485 / USB /Wi-Fi/ GPRS / RF/LAN	yes/yes/Optional/Optional/Optional/Optional						
Warranty: 5 / 10 years	Yes/Optional						
CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2							

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

MOD 10~15KTL3-X(AU)

- Max. efficiency 98.6%
- OLED and touch button
- Type II SPD on DC and AC side
- String Monitoring
- AFCI optional



P O W E R
- I N G O
T O M O -
R R O W O



Datasheet	MOD 10KTL3-X-AU	MOD 11KTL3-X-AU	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
Input data (DC)					
Max. recommended PV power (for module STC)	15000W	16500W	18000W	19500W	22500W
Max. DC voltage			1100V		
Start voltage			200V		
Nominal voltage			580V		
MPPT voltage range			140V-1000V		
No. of MPP trackers			2		
No. of PV strings per MPP tracker			1/2		
Max. input current per MPP tracker			13/26A		
Max. short-circuit current per MPP tracker			16/32A		
Output data (DC)					
AC nominal power	10000W	11000W	12000W	13000W	15000W
Max. AC apparent power	10000VA	11000VA	12000VA	13000VA	15000VA
Nominal AC voltage (range*)			220V/400V (340-440V)		
AC grid frequency (range*)			50/60 Hz (45-55Hz/55-65 Hz)		
Max. output current	15.2A	16.7A	18.2A	19.7A	22.7A
Adjustable power factor			0.8leading...0.8lagging		
THDi			<3%		
AC grid connection type			3W+N+PE		
Efficiency					
MAX. efficiency	98.6%	98.6%	98.6%	98.6%	98.6%
European efficiency	98.1%	98.1%	98.2%	98.2%	98.2%
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		
General data					
Dimensions (W / H / D)			425/387/178mm		
Weight			16kg		
Operating temperature range			- 25°C ... +60°C		
Nighttime power consumption			< 1W		
Topology			Transformerless		
Cooling			Natural convection		
Protection degree			IP66		
Relative humidity			0~100%		
Altitude			4000m		
DC connection			H4/MC4(Optional)		
AC connection			Connector		
Display			OLED+LED/WIFI+APP		
Interfaces: RS485 / USB /Wi-Fi/ GPRS / RF/LAN			Yes/Yes/Optional/Optional/Optional/Optional		
Warranty: 5years / 10 years			Yes/Optional		
			CE, AS4777		

* The AC voltage range and frequency range may vary depending on specific country grid standard.
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