

MOD 3000~9000TL3-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

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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	1/1+1	1/1+1	1/1+1
Max. input current per MPP tracker	13A	13A	13A	13A	13A/13A+13A	13A/13A+13A	13A/13A+13A
Max. short-circuit current per MPP tracker	16A	16A	16A	16A	16A/16A+16A	16A/16A+16A	16A/16A+16A
(Please note that for each PV string, solar panels cannot be connected in parallel on the roof)							
Output data (AC)							
AC nominal power	3000W	4000W	5000W	6000W	7000W	8000W	9000W
Max. AC apparent power	3000VA	4000VA	5000VA	6000VA	7000VA	8000VA	9000VA
Nominal AC voltage (range*)	220V/400V (340-440V)						
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)						
Max. output current	4.5A	6.0A	7.6A	9.1A	10.6A	12.1A	13.6A
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	Optional						
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						
AFCI protection	Optional						
General data							
Dimensions (W / H / D)	425/387/147mm	425/387/147mm	425/387/147mm	425/387/147mm	425/387/178mm	425/387/178mm	425/387/178mm
Weight	13.5kg	13.5kg	13.5kg	15kg	15kg	15kg	15kg
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						
Manufacturing Country	Made in China						
CE, AS4777							

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