

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

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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			1/1+1		
Max. input current per MPP tracker			13A/13A+13A		
Max. short-circuit current per MPP tracker			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	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	15kg	15kg	16.5kg	16.5kg	16.5kg
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.