

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. All specifications are subject to change without notice.