

# MOD 5~10KTL3-X



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



Datasheet	MOD 5000TL3-X	MOD 10000TL3-X
<b>Input data (DC)</b>		
Max. recommended PV power (for module STC)	9000W	15000W
Max. DC voltage		1100V
Start voltage		160V
Nominal voltage		580V
MPPT voltage range		140V-1000V
No. of MPP trackers		2
No. of PV strings per MPP tracker		1
Max. input current per MPP tracker		13A
Max. short-circuit current per MPP tracker		16A
<b>Output data (AC)</b>		
AC nominal power	5000W	10000W
Max. AC apparent power	5500VA	11000VA*
Nominal AC voltage (range*)	220V/380V, 230V/400V (340-440V)	
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)	
Max. output current	8.3A	16.7A
Adjustable power factor	0.8leading...0.8lagging	
THDi	<3%	
AC grid connection type	3W+N+PE	
<b>Efficiency</b>		
MAX. efficiency	98.3%	98.6%
European efficiency	97.5%	98.1%
MPPT efficiency	99.9%	
<b>Protection devices</b>		
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	
AFCI protection	Yes	
<b>General data</b>		
Dimensions (W / H / D)	425/387/147mm	425/387/178mm
Weight	12.5kg	14kg
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: USB/RS485/WIFI /GPRS/LAN/RF	Yes/Yes/Optional/Optional/Optional/Optional	
Warranty: 10 years	Yes	

PEA, MEA, CE, VDE0126, Greece, EN50549, C10/C11, VFR 2019, IEC62116, IEC61727, IEC 60068, IEC 61683  
CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2

\* For Belgium C10/C11, MOD 10KTL3-X max. output power is limit to 10000VA.  
\* The AC voltage range and frequency range may vary depending on specific country grid standard.  
All specifications are subject to change without notice.