

MOD 10KTL3-XH BE

- Battery ready, future proof
- Dual MPP Trackers
- Type II SPD on DC and AC side
- Active Arcing Protection
- 24h self-consumption monitoring



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

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Datasheet	MOD 10KTL3-XH BE
Input data (DC)	
Max. recommended PV power (for module STC)	20000W
Max. DC voltage	1100V
Start voltage	160V
Nominal voltage	600V
MPPT voltage range	140V-1000V
No. of MPP trackers/strings per MPP tracker	2/1
Max. input current per MPP tracker	16A
Max. short-circuit current per MPP tracker	20A
Input data (DC battery)	
Compatible battery	APX HV Battery System (5kWh-30kWh)
Operating voltage range	600 V-950 V
Max. operating current	18.5A
Max. charge power	10000W
Max. discharge power	10000W
Output data (AC)	
AC nominal power	10000W
Max. AC apparent power	10000VA
Nominal AC voltage (range*1)	220V/380V, 230V/400V (340-440V)
AC grid frequency (range*1)	50/60 Hz (45-55Hz/55-65 Hz)
Max. output current	15.2A
Adjustable power factor	0.8leading...0.8lagging
THDi	<3%
AC grid connection type	3W+N+PE
Output data (Backup*2)	
Max. apparent power	10000VA
Nominal AC voltage	230V/400V
AC grid frequency	50/60Hz
Efficiency	
MAX. efficiency	98.6%
European efficiency	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
AFCI protection*3	Yes
General data	
Dimensions (W / H / D)	425/387/178mm
Weight	14kg
Operating temperature range	-25°C ... +60°C
Nighttime power consumption	< 5.5W
Topology	Transformerless
Cooling	Natural convection
Protection degree	IP66
Relative humidity	0~100%
Altitude	3000m
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
CE, C10/C11	

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

*2 The backup function is ready for the BP version with Backup label by using the SYN 50-XH-30 device.

*3 AFCI function need to be activated after installation.