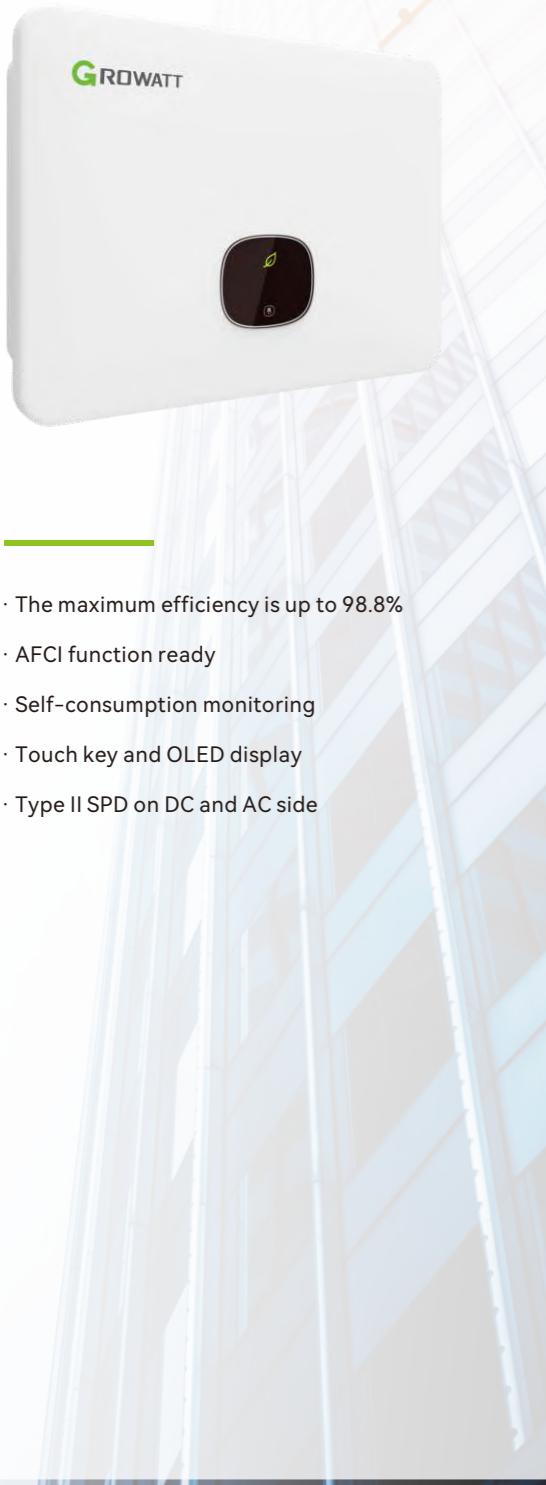


MID 40KTL3-X



- The maximum efficiency is up to 98.8%
- AFCI function ready
- Self-consumption monitoring
- Touch key and OLED display
- Type II SPD on DC and AC side



Datasheet		MID 40KTL3-X
Input data (DC)		
Max. recommended PV power (for module STC)		60000W
Max. DC voltage		1100V
Start voltage		250V
Normal voltage		600V
MPPT voltage range		200-1000V
No. of MPP trackers		4
No. of PV strings per MPP tracker		2
Max.input current per MPP tracker		26A
Max. short-circuit current per MPP tracker		32A
Output data (AC)		
AC nominal power		40000W
Max. AC apparent power		44000VA
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		66.6A
Adjustable power factor		0.8leading...0.8lagging
THDi		<3%
AC grid connection type		3W+N+PE
Efficiency		
Max.efficiency		98.8%
European efficiency		98.5%
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		Yes
General data		
Dimensions (W / H / D)		580/435/230mm
Weight		30.5kg
Operating temperature range		-25°C ... +60°C
Nighttime power consumption		< 1W
Topology		Transformerless
Cooling		Smart air cooling
Protection degree		IP66
Relative humidity		0-100%
Altitude		4000m
DC connection		H4/MC4(Optional)
AC connection		Cable gland+OT terminal
Display		OLED+LED/WIFI+APP
Interfaces: RS485/USB/ WiFi/GPRS/RF/LAN		Yes/Yes/Optional/Optional/Optional/Optional
Warranty: 5 years / 10 years		Yes/Optional

PEA, MEA, CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116/IEC61727, IEC 60068, IEC 61683, CEI0-21, CEI0-16, N4105, TOR Erzeuger, G98/G99, G100, AS/NZS 3100, AS4777, UNE217001, UNE206007, PO12.2, KSC8565

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