

# MID 30~40KTL3-X

- The maximum efficiency is up to 98.8%
- 40% compact and lighter
- AFCI function optional
- Self-consumption monitoring
- Touch key and OLED display
- Type II SPD on DC and AC side



**GROWATT**

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

Datasheet	MID 30KTL3-X	MID 33KTL3-X	MID 36KTL3-X	MID 40KTL3-X
<b>Input data (DC)</b>				
Max. recommended PV power (for module STC)	45000W	49500W	54000W	60000W
Max. DC voltage	1100V			
Start Voltage	250V			
Normal Voltage	600V			
MPPT voltage range	200-1000V			
No. of MPP trackers	3	3	4	4
No. of PV strings per MPP tracker	2			
Max.input current per MPP tracker	26A			
Max. short-circuit current per MPP tracker	40A			
<b>Output data (AC)</b>				
AC nominal power	30000W	33000W	36000W	40000W
Max. AC apparent power	33300VA*	36600VA	39600VA	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	50.5A	55.5A	60.0A	66.6A
Adjustable power factor	0.8leading...0.8lagging			
THDI	< 3%			
AC grid connection type	3W + N + PE			
<b>Efficiency</b>				
Max. efficiency	98.8%			
European efficiency	98.5%			
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 monitoring	Yes			
Anti-PID function	Optional			
AFCI protection	Optional			
<b>General data</b>				
Dimensions (W / H / D)	575/420/225mm			
Weight	30kg			
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			
Manufacturing Country	Made in China			
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, PO1.2.2, KSC8565				

\* For Belgium C10/C11 and VDE-AR-N4105, MID 30KTL3-X max. output power is limit to 30KVA.

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