

MID 25~40KTL3-X

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



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

Growatt

www.ginverter.com

preliminary

Datasheet	MID 25KTL3-X1	MID 30KTL3-X	MID 33KTL3-X	MID 36KTL3-X	MID 40KTL3-X
Input data (DC)					
Max. recommended PV power (for module SIC)	37500W	45000W	49500W	54000W	60000W
Max. DC voltage			1100V		
Start Voltage			250V		
Normal Voltage			600V		
MPP1 voltage range			200-1000V		
No. of MPP trackers	3	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			32A		
Output data (AC)					
AC nominal power	25000W	30000W	33000W	36000W	40000W
Max. AC apparent power	27700VA	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	40A	50.5A	55.5A	60.0A	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%		
MPP1 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)			580/435/230mm		
Weight	29.5kg	29.5kg	29.5kg	30.5kg	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+DI terminal		
Display			OLED+LEDWiFi+APP		
Interfaces: RS485 / USB / WiFi / GPRS / RF / LAN			Yes/Yes/Optional/Optional/Optional/Optional		
Warranty: 5 years / 10 years			Yes/Optional		
CE, VDE0126, G9900, EN50549, C10/C11, IIE C 15-712, EC62116, IEC61727, EC 60068, EC 61683, CED-21, CED-16, N4105, IQR Ezeuger, G9B/G99, G100, AS/NZS 3100, AS4777, UNE217001, UNE206007, PO122, IEC61683					

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