

# MAC 15~36KTL3 -XL



- 3 MPPTs
- 220V Three phase solution
- OLED display and touch button
- Local WIFI+APP maintenance
- Maximum efficiency of 98.8%

## GROWATT · PRODUCT

Datasheet	MAC 15KTL3-XL	MAC 20KTL3-XL	MAC 22KTL3-XL	MAC 25KTL3-XL	MAC 30KTL3-XL	MAC 36KTL3-XL
<b>Input Data(DC)</b>						
Max. recommended PV power (for module STC)	19500W	26000W	28600W	32500W	39000W	46800W
Max.DC voltage	1100V					
Start voltage	250V					
Nominal voltage	360V					
MPPT voltage range	200V-1000V					
No. of MPP trackers	3					
No. of PV strings per MPP tracker	4/4/4					
Max. input current per MPP tracker	46A/46A/46A					
Max. short-circuit current per MPP tracker	50A/50A/50A					
<b>Output Data(AC)</b>						
Rated AC output power	15000W	20000W	22000W	25000W	30000W	36000W
Max. AC apparent power	16600VA@220VAC	22200VA@220VAC	24400VA@220VAC	27800VA@220VAC	33300VA@220VAC	36000VA@220VAC 39200VA@240VAC
Nominal AC voltage (range*)	127V/220V(101.6-139.7V)					
AC grid frequency (range*)	50/60 Hz(46~54/56~64Hz)					
Nominal AC output current	39.4A	52.5A	57.7A	65.6A	78.8A	94.5A
Max. output current	43.6A	58.3A	64.0A	73.0A	87.4A	94.5A
Power factor(@nominal power)	>0.99					
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	98.2%					
<b>Protection Devices</b>						
DC reverse polarity protection	Yes					
DC switch	Yes					
DC surge protection	Type II					
Insulation resistance monitoring	Yes					
AC surge protection	Type II					
AC short-circuit protection	Yes					
Grid monitoring	Yes					
Anti-islanding protection	Yes					
Residual-current monitoring unit	Yes					
String fuse protection	No					
String monitoring	No					
Anti-PID function	No					
AFCI protection	Yes					
<b>General Data</b>						
Dimensions(W / H / D)	680/508/281mm					
Weight	≤52kg					
Operating temperature range	-25°C ... +60°C (>45°C Derating)					
Noise emission(typical)	≤60dB(A)					
Altitude	4000m					
Nighttime power consumption	1W					
Topology	Transformerless					
Cooling	Smart air cooling					
Protection degree	IP65					
Relative humidity	0~100%					
DC connection	H4(OPT)					
AC connection	OT Terminal					
Display	OLED+LED/WIFI+APP					
Interfaces:RS485/USB /WIFI/GPRS	Yes/Yes /Optional/Optional/Optional					
CE, IEC62116, IEC61727, IEC 60068, IEC 61683, IEC60529IEEE1547, UL1741, IEEE1547						