

MAC 22~36KTL3-XL

- 3 MPPTs
- 220V Three Phase Solution
- Smart diagnosis
- High efficiency up to 98.8%
- Local WiFi configuration
- OLED display and touch button
- AC&DC type II SPD



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R R O W O

Datasheet	MAC 22KTL3-XL	MAC 25KTL3-XL	MAC 30KTL3-XL	MAC 36KTL3-XL
Input Data(DC)				
Max. recommended PV power (for module STC)	33000W	37500W	45000W	54000W
Full load voltage range	360-650V			
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	54A/54A/54A			
Max. short-circuit current per MPP tracker	55A/55A/55A			
Output Data(AC)				
Rated AC output power	22000W	25000W	30000W	36000W
Max. AC apparent power	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	57.7A	65.6A	78.8A	94.5A
Max. output current	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			
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			
General Data				
Dimensions(W / H / D)	680/508/281mm			
Weight	52kg			
Operating temperature range	- 25°C ... +60°C			
Nighttime power consumption	<1W			
Topology	Transformerless			
Cooling	Smart air cooling			
Protection degree	IP65			
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	Yes/Yes /Optional/Optional/Optional			
Warranty: 5 years / 10 years	Yes/Optional			
EN 61000-3/6, EN/IEC 62109-1, EN/IEC 62109-2, IEC 60068, IEC61683, IEC62116, IEC 61727,UL1741,IEEE1547				

* In order to make the machine run at the highest conversion efficiency, our company recommends :

1. Configuring PV panels, the string voltage should be around 650VDC, and The maximum input voltage should not exceed 800VDC.
2. One MPPT input current CANNOT bigger than 46A.