

MAC 22~36K TL3-XL



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

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
Max.DC voltage	1100V			
Start voltage	250V			
Nominal voltage	360V			
MPPT voltage range	200V-1000V			
No. of MPPT trackers	3			
No. of PV strings per MPPT tracker	4/4/4			
Max. input current per MPPT tracker	52A/52A/52A			
Max. short-circuit current per MPPT 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

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