

# MAC 30~60KTL3-X LV

- 3 MPPTs
- Smart diagnosis
- High efficiency up to 98.8%
- Local WIFI connection
- OLED display and touch button
- AC&DC type II SPD
- Data storage up to 25 years
- DC side 2 in 1 connection enabled



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

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Datasheet	MAC 30KTL3-X LV	MAC 40KTL3-X LV	MAC 50KTL3-X LV	MAC 60KTL3-X LV
<b>Input data (DC)</b>				
Max. recommended PV power(for module STC)	45000W	60000W	75000W	90000W
Max.DC voltage	1100V			
Start voltage	250V			
Nominal voltage	600V			
MPPT voltage range	200V-1000V			
No. of MPP trackers	3			
No. of PV strings per MPP tracker	3/3/2	3/3/3	4/3/3	4/4/4
Max. input current per MPP tracker	37.5A/37.5A/25A	37.5A/37.5A/37.5A	50A/37.5A/37.5A	50A/50A/50A
Max. short-circuit current per MPP tracker	45A	45A	55A	55A
<b>Output data (AC)</b>				
Rated AC output power	30000W	40000W	50000W	60000W
Max. AC apparent power	33300VA	44400VA	55500VA	66600VA
Nominal AC voltage (range*)	230V/400V (340-440V)			
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)			
Max. output current	48.3A	64.4A	80.5A	96.6A
Adjustable power factor	0.8leading ...0.8lagging			
THDI	<3%			
AC grid connection type	3W+N+PE			
<b>Efficiency</b>				
Max. efficiency	98.7%	98.7%	98.7%	98.8%
European efficiency	98.4%	98.5%	98.5%	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			
<b>General data</b>				
Dimensions(W / H / D)	680/508/281mm			
Weight	52kg			
Operating temperature range	- 25°C ... +60°C			
Noise emission(Typical)	≤60dB(A)			
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			