



MEGACosmic 250KTL / 500KTL

Features

- High speed digital DSP + CPLD control technology
- Advanced IGBT modules, high reliability
- Maximum power point tracking (MPPT) efficiency >99.9%
- Pure sine wave output, automatic synchronization grid, harmony wave is little
- Easy-setting multilingual LCD display panel
- High reliability with full functions of protection & alarm
- RS485 / Ethernet communication, long-distance data collection & monitor
- Low voltage ride through
- Power plant, Substation, Telecommunication room
- Max. Input voltage: 1000v
- Government demonstration project



Technical features	MEGACosmic 250KTL	MEGACosmic 500KTL
Input Ratings		
Max. Input DC Power	283 KW	560 KW
Max. PV Input Voltage	1000 V	1000 V
Max. Input current(DC1/DC2)	629 A	1245 A / 1120 A
MPPT Voltage Range	450 ~ 820 V	450~820 V/500~850 V
MPPT Quantity	1	1
Start PV Voltage	420V	420V/520V
Output Ratings		
Rated Output AC Power	250KW	500 kW
Max. Output Current	592 A/504A	1176 A/1008 A
Operating Frequency Range	50 Hz/60Hz	50 Hz/60Hz
Rated Grid Voltage	3~, 270/315Vac	3~, 270Vac/3~, 315Vac
Isolation Type	Transformerless	Transformerless
Efficiency		
Maximum efficiency	98%	98.71%
European efficiency	97.3%	98.5%
Night consumption	<100W	<100W
System & Mechanical Features		
Enclosure Protection	IP20 (Indoor)	IP20 (Indoor)
Communication / Optional	RS485/Ethernet	RS485/Ethernet
Display Interface	Touch Screen	Touch Screen
Cooling Mode	Air Cooling	Air Cooling
Max Altitude	3000 m (up 2000m derating)	3000 m (up 2000m derating)
Dimensions (WxHxD mm)	1200 x 2100 x 800	2000 x 2100 x 800
Weight	1300 kg	1700 kg
Standard Warranty	5 years	5 years