CP16KTL / CP18KTL / CP20KTL



Features

Intelligent

- Intelligent networking and monitoring, local and remote monitoring available

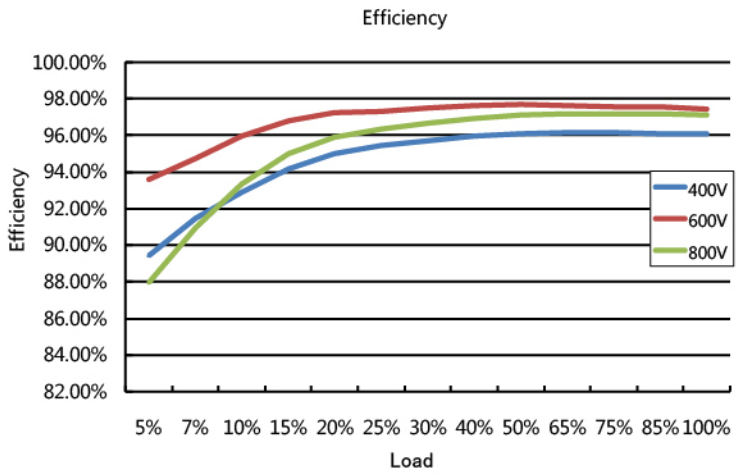
Reliable

- Patented intelligent cooling technology, increased cooling efficiency, longer stable operation lifespan over 20 years
- IP65 protection degree

High Efficient

- High conversion efficiency, Europe efficiency over 97.5%
- Dual MPPT, flexible and compatible for various conditions
- Wide MPP voltage range, longer up time and higher yielding Safe
- Comprehensive protection (IP65, anti-lightning etc.)
- Low radiation
- Modular design for easy maintenance and low failure rates





CP16KTL / CP18KTL / CP20KTL

▼ Datasheet

SPEC	CP16KTL	CP18KTL	CP20KTL
Efficiency			
Max. Efficiency	98%	98.2%	98.2%
Europe Efficiency	97.5%	97.5%	97.5%
MPPT Efficiency	99.9%	99.9%	99.9%
Input Data (DC)			
Max. DC Input Power	18KW	20KW	22KW
Start Voltage	320V	320V	320V
Rated Voltage	600V	600V	600V
DC Input Voltage Range	250~1000V	250~1000V	250V~1000V
MPPT Voltage Range	300V~1000V	300V~1000V	300V~1000V
Full-load MPPT Voltage Range	400V~800V	400V~800V	400V~800V
Max. Input Current	42(2*21A)	46A (2*23A)	52A（2*26A）
MPPT Number	2	2	2
String Number	2/2	2/2	2/2
Output Data (AC)			
Rated Output Power	16KVA	18KVA	20KVA
Max. Output Power	16KVA	18KVA	20KVA
Max. Output Current	24.2A	28.6A	32A
Rated AC Voltage	3*230V/400V 3/N/PE	3*230V/400V 3/N/PE	3*230V/400V 3/N/PE
Frequency Range	50HZ/60HZ，±5HZ	50HZ/60HZ，±5	50HZ/60HZ，±5HZ
Power Factor (adjustable)	0.8 leading—0.8 lagging	0.8 leading—0.8 lagging	0.8 leading—0.8 lagging
THDI @ rated output	<3%	<3%	<3%
Protection			
DC Switch	Yes	Yes	Yes
Anti-islanding	Yes	Yes	Yes
Input Reverse Protection	Yes	Yes	Yes
Over Current Protection	Yes	Yes	Yes
DC Surge Protection	Yes	Yes	Yes
AC Surge Protection	Yes	Yes	Yes
Isolation Protection	Yes	Yes	Yes
AC Leakage Current Protection	Yes	Yes	Yes
General Data			
Dimensions W/H/D mm	485*735*230	485*735*230	485*735*230
Weight	60kg	60kg	60kg
DC Connector	MC4/H4	MC4/H4	MC4/H4
AC Connector	Screw terminal	Screw terminal	Screw terminal
RS485	Yes	Yes	Yes
RS232	Yes	Yes	Yes
Display	LCD	LCD	LCD
Topology	Transformerless	Transformerless	Transformerless
Operating Temperature	-25℃ ~+60℃	-25℃ ~+60℃	-25℃ ~+60℃
Cooling	Forcing Air	Forcing Air	Forcing Air
IP Degree	IP65	IP65	IP65
Altitude	2000m	2000m	2000m
Humidity	0~95%, Non-condensing	0~95%, Non-condensing	0~95%, Non-condensing
Noise Emission	<45dB	<45dB	<45dB
Certificates & Approvals			
Safety/EMC	EN61000-6-2，EN61000-6-3，EN61000-3-2，EN61000-3-3，EN61000-3-11，EN61000-3-12，EN/IEC62109-1，EN/IEC62109-2		
Grid Code	VDE-AR-N4105，VDE0126，BDEW，CEI 0-21，G59/3，SAA，CGC		