

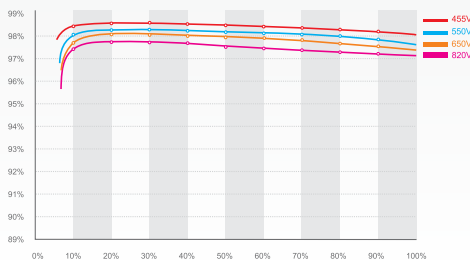


CP500 / CP630

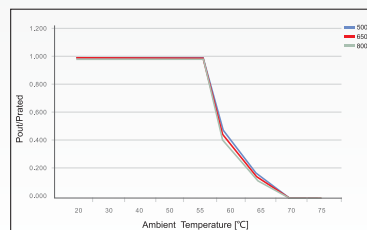
Leading - Edge Technology

- Maximum efficiency over 98.6%, deliver more energy
- Powerful grid management functions(including LVRT)
- Active power adjustment(0-100%)
- Reactive power adjustable, PF range 0.9lagging-0.9leading
- Friendly touch monitoring interface, easy installation maintenance procedure
- Certificate and approvals include maintenance
- Design for max. ROI: Newest generation IGBTs and advanced MPPT Algorithms
- Auxiliary electrical heating(optional)
- Comprehensive protection for overvoltage, islanding, short-circuit, overload, overheat, etc.

CP500 efficiency



Temperature derating characteristics



Certificates

TUV, SAA, CE, CQC, AS4777.2/3, AS/NZS 3100, VDE 0126-1-1, EN62109-1/2, G83, G59, CNCA/CTS0004-2009A, CNCA/CTS0006-2010, EN61000-6-1/2/3/4, EN62109-1/2, RD1663, C10-1

Technical data

Model	CP500	CP630
Input (DC Side)		
Max. DC input power	575KW	725KW
Max. DC voltage	1000V	1000V
DC voltage range	500V-1000V	500V-1000V
MPPT voltage range	500V-850V	500V-850V
Rated input voltage	600V	600V
Start voltage power	520V/5000W	520V/6300W
Max. input current	1120A	1450A
Number of MPPT	1	1
Number of DC Inputs	2*5	2*5

Output (AC)		
Rated AC output power	500KVA	630KVA
Rated AC Voltage	315V	315V
AC voltage range	250V-362V	250V-362V
Rated frequency	50Hz/60Hz	50Hz/60Hz
Frequency range	45-55HZ/55-65Hz	45-55HZ/55-65Hz
Rated current	917A	1155A
Max. output current	1008A	1296A
Power factor	0.9 leading-0.9lagging	0.9 leading-0.9lagging
THDI	<3%	<3%

Efficiency

Max. efficiency	98.7%
Euro efficiency	98.5%
MPPT efficiency	99.9%

General Data

Dimensions (W / H / D)	2000*2180*850 mm
Weight	1620kg
Operating temperature range	-25 °C ~ +55 °C
Relative Humidity	0~95%
Degree of protection	IP 20
Noise emission (typical)	65dB(A)@1m
Altitude	6000m (derating over 3000m)
Standby consumption	< 100W
Cooling concept	Air Forced
Topology	Low frequency transformer
Display	Touch screen LCD
Communication Interface	RS 485 / Ethernet