

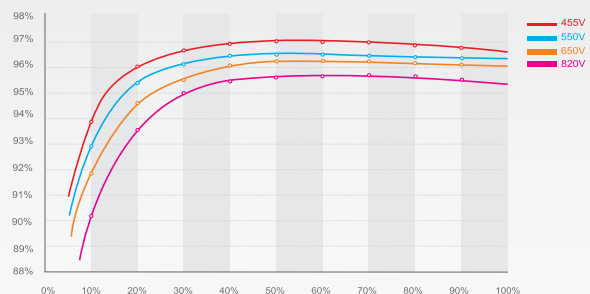


CP100

Leading - Edge Technology

- Maximum efficiency over 98%, 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.

CP100 efficiency



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	CP100
Input (DC Side)	
Max. DC input power	115KW
Max. DC voltage	1000V
DC voltage range	450V-1000V
MPPT voltage range	450V-850V
Rated input voltage	600V
Start voltage power	500V/1000W
Max. input current	250A
Number of MPPT	1
Number of DC Inputs	2
Output (AC)	
Rated AC output power	100KVA
Rated AC Voltage	400V
AC voltage range	310V-450V
Rated frequency	50Hz/60Hz
Frequency range	45-55HZ/55-65Hz
Rated current	140A
Max. output current	160A
Power factor	0.9 leading-0.9lagging
THDI	<3%
Efficiency	
Max. efficiency	97.1%
Euro efficiency	96.5%
MPPT efficiency	99.9%
General Data	
Dimensions (W / H / D)	1100*1890*850 mm
Weight	820kg
Operating temperature range	-25 C ~ +55 C
Relative Humidity	0~95%
Degree of protection	IP 20
Noise emission (typical)	65dB @ 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