

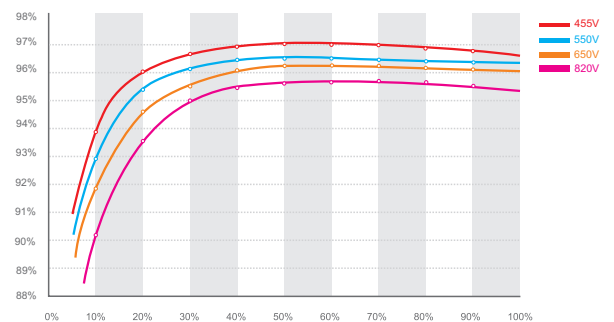
## Growatt CP100



### Leading - edge Technology

- ▶ Max efficiency over 97.1%, deliver more energy
- ▶ Powerful grid management functions(including LVRT)
- ▶ Active power continuous adjustment (0-100%)
- ▶ Reactive power adjustable, PF range 0.9lagging-0.9leading
- ▶ Friendly touch monitoring interface, easy installation maintenance procedure
- ▶ Certificate and approvals included 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.

Growatt CP100 efficiency



### GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

A: No.28 Guangming Road, Longteng Community, Shiyan, Baoan District, Shenzhen, P.R.China.

T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com

**Datasheet****Growatt CP100****Input Data**

Max. DC 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
Maximum Input Current	250A
Number of Independent MPPT	1
Number of DC Inputs	2

**Output Data(AC)**

Rated AC Power	100KVA
Rated AC Voltage	400V
AC Voltage Range	310V - 450V
Rated Frequency	50Hz/60Hz
Frequency Range	45-55Hz/55-65Hz
Rated current	144A
Maximum Output Current	160A
Power Factor (cosφ)	0.9lagging – 0.9leading
THDI	<3%(@Pac,r)

**Efficiency**

Maximum Efficiency	97.1%
Euro Efficiency	96.5%
MPPT Efficiency	99.9%

**Protection**

DC Disconnection Device	DC circuit breaker, fuse (opt)
AC Disconnection Device	AC circuit breaker
DC Overvoltage Protection	Surge arrester type II
AC Overvoltage Protection	Surge arrester type II
Grid monitoring/Management	yes/yes
Ground monitoring	yes
Over Temperature Protection	yes
Insulation monitoring	yes

**General Data**

Dimension (W/H/D)	1100/1890/850 mm
Weight	820kg
Operating Temperature Range	-25 °C ... +55 °C
Relative Humidity	0 ~95%
Degree of Protection	IP20
Noise Emission	65dB(A)@1m
Maximum Operating Altitude	6000m(Derating over 3000m)
Standby consumption	<30W
Cooling	Air Forced
Topology	Low Frequency Transformer
Display	Touch screen LCD
Communication Interface	RS485/ Ethernet

**Certificates and Approvals**

CE, TUV, CGC, LVRT, ZVRT