

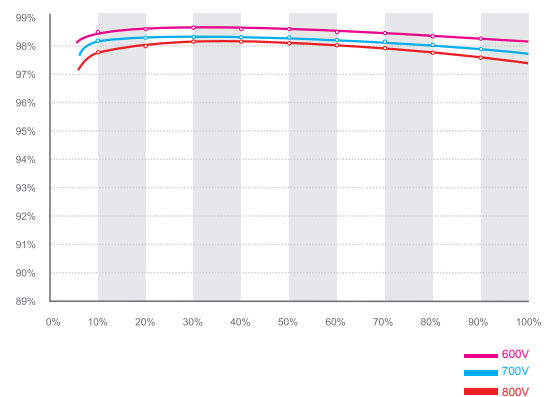
## Growatt CP850TL-S



### Leading - edge Technology

- ▶ High conversion efficiency of 98.7% deliver more energy
- ▶ Powerful grid management functions(including LVRT)
- ▶ Active power continuous adjustment (0-100%)
- ▶ Reactive power adjustable ,PF range 0.9lagging-0.9leading
- ▶ Transformer-less inverter for direct connection to MV transformer
- ▶ Friendly touch monitoring interface, easy installation maintenance procedure
- ▶ 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 CP850TL-S 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

**Input Data**

Max. DC power	975kW
Max. DC voltage	1000V
DC Voltage Range	600V - 1000V
MPPT Voltage Range	600V - 900V
Rated Input Voltage	700V
Start Voltage/Power	620V/8500W
Maximum Input Current	1550A
Number of Independent MPPT	1
Number of DC Inputs	12

**Output (AC)**

Rated AC Power	850kVA
Max AC Power(<50°C ambient)	935kVA
Rated AC Voltage	400V
AC Voltage Range	320V - 460V
Rated Frequency	50Hz/60Hz
Frequency Range	45-55Hz/55-65Hz
Rated current	1227A
Maximum Output Current	1300A
Power Factor (cosφ)	0.9lagging – 0.9leading
Total Harmonic Distortion	<3%(@Pac,r)

**Efficiency**

Maximum Efficiency	98.7%
Euro Efficiency	98.5%
MPPT Efficiency	99.9%

**Protection**

DC Disconnection Device	DC circuit breaker for each input
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)	1600/1900/850 mm
Weight	965kg
Operating Temperature Range	-25 °C ...+70°C(>55°C derating)
Relative Humidity	0~95%
Degree of Protection	IP20
Noise Emission	65dB(A)@1m
Maximum Operating Altitude	6000m(Derating over 3000m)
Standby consumption	<100W
Cooling	Air Forced
Topology	Transformerless
Display	Touch screen LCD
Communication Interface	RS485/Ethernet

**Certificates and Approvals**