



## 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 continuous adjustment (0-100%)
- ▶ Integrated with SCADA monitoring system, totally compatible with smart-grid interface
- ▶ Intelligent control, entirely meet the requirements of grid
- ▶ Provide a turnkey solution, easy installation and maintenance
- ▶ Comprehensive protection for overvoltage, islanding, short-circuit, overload, etc.

## Configuration list

- ▶ Growatt CP500TL x2
- ▶ Cooling system
- ▶ Container shelter
- ▶ Surge arrester
- ▶ Fire extinguisher
- ▶ 4000W AC distribution box
- ▶ DC distribution cabinet x2

## GROWATT NEW ENERGY TECHNOLOGY Co.,LTD

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Datasheet	Growatt CP1000 Station	Growatt CP1260 Station
<b>Input Data</b>		
Max. DC power	1150KW	1450KW
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/10000W	520V/12600W
Maximum Input Current	2240A	2900A
Number of Independent MPPT	1	1
Number of DC Inputs	20	20
<b>Output (AC)</b>		
Rated AC Power	1000KVA	1260KVA
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	1833A	2310A
Maximum Output Current	2016A	2592A
Power Factor (cosφ)	0.9lagging – 0.9leading	0.9lagging – 0.9leading
THDI	<3%(@Pac,r)	<3%(@Pac,r)
<b>Efficiency</b>		
Maximum Efficiency	98.7%	98.7%
Euro Efficiency	98.5%	98.5%
MPPT Efficiency	99.9%	99.9%
<b>Protection</b>		
DC Disconnection Device	DC circuit breaker, fuse(opt)	DC circuit breaker, fuse(opt)
AC Disconnection Device	AC circuit breaker	AC circuit breaker
DC Overvoltage Protection	Surge arrester type II	Surge arrester type II
AC Overvoltage Protection	Surge arrester type II	Surge arrester type II
Grid monitoring/Management	yes/yes	yes/yes
Ground monitoring	yes	yes
Over Temperature Protection	yes	yes
Insulation monitoring	yes	yes
<b>General Data</b>		
Dimension (W/H/D)	3600/3000/2896 mm	3600/3000/2896 mm
Weight	6000kg	6000kg
Operating Temperature Range	-25 °C ... +55 °C	-25 °C ... +55 °C
Relative Humidity	0~95%	0~95%
Degree of Protection	IP54	IP54
Noise Emission	65dB(A)@1m	65dB(A)@1m
Maximum Operating Altitude	6000m(Derating over 3000m)	6000m(Derating over 3000m)
Standby consumption	<60W	<60W
Cooling	Air Forced	Air Forced
Topology	Transformerless	Transformerless
Display	Touch screen LCD	Touch screen LCD
Communication Interface	RS485/ Ethernet	RS485/ Ethernet

#### Certificates and Approvals