

# CP-1000-B

## CP Series Central Distributed Inverter



### More power generation

High DC input and AC output voltage decreasing cable line loss  
Multiple MPPTs decreasing mismatch losxs



### Low system cost

Key components online monitoring  
Redundancy design for cooling fans and control power supply  
Industry oriented design for harsh enviroment



### High reliability

Integrated DC power distribution function  
Integrated reactive power compensation  
High DC/AC ratio up to 1.5

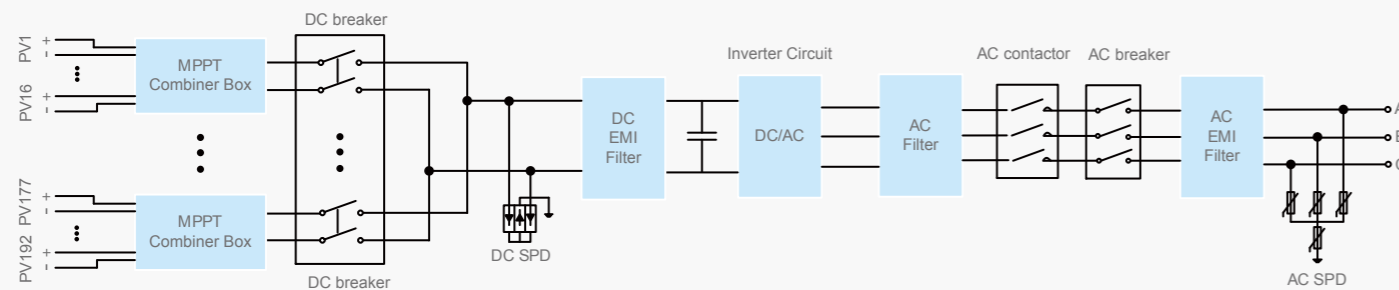


### Grid friendly

LVRT and HVRT function  
Low harmonics and fast response for grid regulation



## Circuit



### Input (DC)

Max. PV input voltage	1000V
Max. input current	1439A
MPP voltage range for nominal power	300~870V
Max number of DC inputs	48
Max number of MPPT trackers	12

### Output (AC)

Rated output power	1000kW@50 C
Max. output power	1100kW@45 C
Rated grid voltage	520V
Grid voltage range	442~572V
Max. output current	1221A
Rated grid frequency / range	50Hz/45~55Hz, 60Hz/55~65Hz
Output current harmonic(at nominal power)	< 3%
Power factor at nominal power / range	>0.99/0.8 lagging to 0.8 leading

### Protection

DC input protection	Circuit breaker
AC output protection	Circuit breaker
Overvoltage protection	DC Type II/AC Type II
Leakege current monitoring	Yes
Ground fault monitoring	Yes
Insulation monitoring	Yes
Overheat protection	Yes
Reactive power compensation	Optional
Anti-PID function	Optional

### Efficiency

Max. efficiency	99.10%
EU efficiency	98.65%

### General Data

Self-consuming at runtime	<1000W
Self-consuming in standby	<20W
Protection level	IP20 (IP21 Optional)
Temperature	-30 C ~ +60 C
Allowed humidity(non condensing)	0~95 %
Cooling mode	Temperature controlled forced air cooling
Altitude at full load	3000m
Display	LCD
Communication port	RS485/Ethernet
Certificates and approvals (more available on request)	IEC 62109, IEC 61727, IEC 61683, IEC 62116, IEC 60068, IEC61000
Dimensions (WxHxD)	1205x2050x750mm
Weight	1100kg