

# >> Central Inverter Solution (1100V)

## Features

- Adapt to high altitude and low temperature environment
- Using film capacitor
- Background oscilloscope and fault recording function
- Fast tracing speed, high precision and wide range of MPPT technology
- Advanced anti-isolation technology through active and passive dual-detection
- Patented IGBT drive and ventilation design
- Computer debugging bracket and 220V socket as humanization design
- DC switch tripping protection by software control, ensure high automation and safe operation
- With convenient touch screen operation interface, monitoring system and a wide variety of communication interfaces
- With AC soft starts and AC/DC double power supply redundancy, the LVRT can be realized without using UPS or other outside auxiliary power supply
- The strong adaptability to power grid and powerful inhibition capability for harmonic wave of power grid and three phase imbalance as well as wide idle-regulating scope, fully guarantee the power generation quality
- IP55 outdoor type can be chosen, which doesn't required a extra container



## Specifications (500kW/630kW/800kW/DC1100V)

Model		HPSP0500	HPSP0630	HPSP0800-CC
DC Input	MPPT Voltage Range	500V ~ 900V	520V ~ 900V	500V ~ 900V
	Max. DC Voltage	1100V		
	Number of DC Inputs	8 Inputs		
	Max. String Current	160A		
AC Output	Rated Output Power	500kW	630kW	800kW
	Max. Output Power	550kW	693kW	840kW
	Rated Output Current	902A	1137A	1010A
	Max. Output Current	993A	1250A	1111A
	Rated Output Voltage	<b>320V</b>	<b>320V</b>	<b>360V</b>
	Operating Voltage Range	256V ~ 368V	256V ~ 368V	288V ~ 414V
Rated Grid Frequency		50Hz / 60Hz		
Operating Frequency Range		±3Hz		
THD		<3% (Rated Power)		
DC Current Component		<0.5% (Rated Output Current)		
Power Factor		0.9(ind.) to 0.9(cap.)		
Max. Efficiency		99.02%	99.01%	99.03%
European Efficiency		98.3%	98.3%	98.4%
Standby Power Consumption		<50W		
Cooling System		Forced Air-cooling		
Protection Level		P20 (Indoor) / IP54 (Outdoor)		
Operating Temperature Range		-40°C ~ +55°C (Operation with derating above 40°C)		
Storage Temperature Range		-40°C ~ +70°C		
Operating Altitude <sup>①</sup>		≤5000m (Operation with derating above 4000m)		
Relative Humidity		5 ~ 95%, no condensation		
LVRT		Zero voltage ride through is satisfied		
Communication		RS485, Ethernet		
Dimensions (W*H*D) <sup>②</sup>		1000*2150*800mm / 1220*2300*870mm		
Weight		≤1000kg		

① Please contact HOPEWIND for application over 3000m altitude.

② Dimension excludes screws, locks, etc.

③ The Vac output can be customized

## Product Principle

