

## DPS Series Technical Specifications

Model	DPS-1103A	DPS-1106A	DPS-1110A	DPS-1101B	DPS-1102B	DPS-1103B
Capacity	3000VA / 2700W	6000VA / 5400W	10000VA / 9000W	1000VA / 800W	2000VA / 1600W	3000VA / 2100W
<b>Input</b>						
Input voltage	220VAC					
Voltage range	176-250Vac @ (80-100%) load			176-250Vac		
Frequency range	46Hz - 54Hz @ 50Hz system; 56Hz - 64Hz @ 60Hz system					
Power factor	≥ 0.99					
<b>Output</b>						
Output voltage	208/220/230/240VAC					
Voltage accuracy	± 1% (battery mode)					
Frequency range	46Hz - 54Hz @ 50Hz system; 56Hz - 64Hz @ 60Hz system (Synchronization range)					
Frequency range	50Hz±0.1Hz or 60Hz±0.1Hz(battery mode)					
Power factor	≥ 0.9		≥ 0.8		≥ 0.7	
Crest factor	3:1 Max.					
Harmonic distortion	≤ 2% @ 100% linear load; ≤ 3% @ 100% non-linear load					
Transfer time	0ms(ACmode);0ms(InverterMode); <10ms(InverterECO)		6 ms (AC mode); 6 ms (Inverter Mode)			
<b>Run</b>						
Input and output	1 line input & 2 lines output or 2 lines input & 2 lines output			1 line input & 2 lines or 3 lines output		
<b>Efficiency</b>						
Inverter Mode	> 94%		> 91% (30-100%) load			
<b>Battery</b>						
Battery type	192/230V lithium battery			48V lithium battery		
Battery capacity	10AH/12AH/15AH/18AH/20AH/25AH/30AH			10AH/15AH/20AH		
<b>Appearance</b>						
Dimension D×W×H(mm)	800×438×88(2U) PowerHost; 800 × 438 × 176(4U)/264(6U) include the lithium battery			800×438×44(1U) PowerHost;		
Net weight(kg)	28 (power host)			8 (power host)		
<b>Environment</b>						
Storage temperature	-25 °C- 55 °C					
Working temperature	0 °C- 45 °C					
Working altitude	< 2000 m					
Working humidity	< 95% No condensation					
Working noise	< 55dB @ 1 meter distance					
<b>Manegement</b>						
Intelligent slot	Support Window@2000/2003/XP/Vista/2008、 Window @7/8, Linux and MAC					
Optional	Support SNMP CARD					

**Note:**

- The output efficiency will be reduce to 60% when CVCF mode;
- The output power will be reduce to 90% when the output voltage set to 208VAC.
- The product is subject to the actual product, and the above specifications are subject to change without notice;
- If the distributed power system is installed and used in an environment where the altitude exceeds 2000 meters, the output power should be calculated by 1% every 200 meters.

## Distributed Power Supply System **DPS110**Series 1-10KVA / 800-9000W

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# DPS110 Series

## Distributed Power System



### Product snapshot:

Model: 1-10KVA  
 Nominal voltage: 208/220/230/240VAC  
 Nominal frequency: 50/60Hz  
 Output Power factor: 0.9



### Commonly Application Field :

Power supply application scenarios such as distributed data centers, load-bearing limited data centers, phased deployment of data centers, rapid deployment of data centers, and integrated cabinets.



### Key Feature:

Intelligent detection, battery type optional, output shunt timing control

- Intelligent detection of fan and capacitor running time
- 4 output shunts support timing control function;
- Battery type: lead-acid battery, lithium iron battery, ternary lithium battery and custom battery type.

Reliable, intelligent and fast deployment

- Modular design, rapid deployment on demand;
- Simplify data center planning and design;
- Compatible with T2/T3/T4 level in the same data center;
- Intelligent detection of running time of fans and capacitors;
- Dual 220VAC input, dual 220VAC output, can intelligently detect the power of other equipment (optional).

Effective use of space and load-bearing

- The weight of the equipment is equivalent to that of the server, and the weight bearing only needs 500Kg/m<sup>2</sup>;
- The deployment does not require independent distributed power system space and battery room, and the number of effective cabinets has increased by more than 40%;

Energy saving and emission reduction, cabinet-level energy management effectively combined with cloud computing

- High efficiency power supply module, the efficiency of the whole series of products is as high as 94%;
- Full lithium battery backup system, discharge efficiency up to more than 97%, life span up to 10 years;
- Each output can be selected for time-sharing control. With the energy management system, it can achieve cabinet-level energy management and coordinate with cloud computing for scheduling;

Power supply host, modular design of lithium iron battery, hot swappable, easy installation and maintenance

- The product is designed and produced in a modular manner. The power supply host and the iron-lithium battery are independent modules. They support hot swapping while ensuring that the power equipment does not lose power; small size, light weight, and can be completed by one person.
- More convenient installation and simple maintenance;
- Reasonable design of heat dissipation and airflow control, good control of battery temperature;

The front part of the product is designed with heat dissipation holes and air ducts for the power supply heating device and the lithium battery, which can accurately control the temperature of the power supply and the lithium iron battery.

Conducive to the user's demand for low "PUE" value

- The distributed power supply mode divides the power consumption of the traditional large UPS into the cabinet and reduces the PUE value.

