

DPS-A Series

Distributed Power System

6kVA-10kVA, 1 Phase Input, 1 Phase Output



Stable and Reliable

- Dual 220VAC input and output
- Time-sharing operating system and BMS system
- Lithium battery backup system with a lifespan up to 10 years
- T2/T3/T4 level compatible



Simple and Flexible

- No independent DPS space and battery room needed
- Simple O&M, IT architecture
- Hot-swappable function
- Supports parallel connection of lithium battery modules
- Rackmount design



Smart and Convenient

- Parallel connected common DC bus systems
- Interactive communication technology
- Heat dissipation holes and air duct design
- Multifunction LCD & LED readout



Efficient and Green

- The system efficiency up to 95%
- Discharge efficiency up to 97%
- Lower PUE value
- Low noise interference

Applications: Distributed data center, staged deployment data center, rapid deployment data center, integrated cabinet



Specification

Model	DPS-1106A		DPS-1110A	
Capacity	6kVA		10kVA	
Input				
Voltage	220VAC			
Voltage Range	176~300VAC @ (80~100%) load			
Frequency Range	46Hz~54Hz @ 50Hz system; 56Hz~64Hz @ 60Hz system			
Power Factor	≥0.99			
Output				
Voltage	208/220/230/240VAC			
Voltage Accuracy	±1%			
Frequency Range	Standard	46Hz~54Hz @ 50Hz system; 56Hz~64Hz @ 60Hz system		
	Battery Mode	50Hz ± 0.1Hz or 60Hz ± 0.1Hz		
Power Factor	0.9			
Crest Factor	3:1			
THDu	≤1% @ (100% Linear load); ≤4% @ (100% non-linear load)			
Switching Time	(Mains ↔ Battery)	0ms		
	(Inverter ↔ Bypass)	0ms		
	(Inverter ↔ ECO)	<10ms		
Wiring				
Numbers of Input and Output	2 Inputs and 2 outputs			
Efficiency				
Inverter Mode	>95%			
Battery				
Voltage	230V Lithium battery			
Capacity	10/15/20/25/30Ah			
System				
Display	LCD+LED			
Communication	RS485, USB			
Environment				
Storage Temperature	-25~55°C			
Operating Temperature	0~45°C			
Humidity	<95% (Non-condensing)			
Altitude	<1000m no derate, > 1000m derating 1% per 100 m			
Noise	<55dB @ 1m			
Physical				
WxDxH(mm)	440×750×177 (4U)		440×750×266 (6U)	
Weight(kg)	34		38	

* Specifications subject to change without notice.



DPS-D Series

Distributed Power System

3kVA-12kVA



Stable and Reliable

- Dual AC inputs and DC outputs or 1 AC output and 1 DC output
- Built-in BMS monitors battery information in real time
- Fan speed automatically adjusts according to the load
- Wide input range



Simple and Flexible

- Supports insulation monitoring and display
- Intelligent energy management allowing users to configure settings
- Access control system
- Multiple communication interfaces to monitor



Smart and Convenient

- Hot-swappable rectifier module and battery module, supports plug and play
- Standard DC maintenance bypass
- Output voltage: 200-300VDC (configurable)
- When system fails or the internal parts need to be replaced, maintenance power can be disconnected from the modules and the mainframe

Applications: Distributed data center, bearing-limited data center, staged deployment data center, rapid deployment data center, integrated cabinet



Efficient and Green

- Low input THDi, less than 3%
- The input PF ≥ 0.99
- System efficiency is up to 94%
- Built-in lithium battery with small space occupation (Max. 6U)



Specification

Model	DPS-1106D	DPS-1110D	DPS-1112D
Power Module Capacity	3kW		
Power Module Quantity	2	3	4
Operating	Dual 220VAC inputs and 240VDC outputs or 1 220VAC output and 1 240VDC output		
Input			
Voltage	1 Phase 220VAC		
Voltage Range	165 ~ 302VAC		
Frequency Range	40 ~ 70Hz		
Power Factor	≥0.99		
Output			
Current	10 ~ 40A		
Voltage	Dual 240VDC outputs or 1 220VAC output and 1 240VDC output		
Voltage Range	200 ~ 300VDC		
Adjustable Current Range	10% ~ 110% (Continuously adjustable)		
Voltage Accuracy	≤0.5%		
Efficiency	94%		
Current Sharing	≤±3%		
Battery Charging Current	0.2C (Typical value)		
Battery			
Voltage	240V		
Battery Type	10/15AH (2U)/20/25/30AH (4U)	20/25/30AH (4U)	
Charging Time	5 Hours		
Charging Current	3A ± 10%	6A ± 10%	
System			
Display	LCD+LED		
Communication	RS485, fast ethernet		
Environment			
Storage Temperature	-25 ~ 55°C		
Operating Temperature	0 ~ 45°C		
Humidity	<95% (Non-condensing)		
Altitude	<2000M		
Noise	≤55dB @ 1 m		
Physical			
D×W×H(mm)	800×440×133(3U)/800×440×221(5U)	800×440×221(5U)/800×440×265(6U)	800×440×265(6U)
Weight(kg)	20/25	25/30	

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DPS33 Series

Semi-Distributed Power System

100kVA, Three-phase in, three-phase out



High Reliability

- Wide input: 305 ~477Vac, reliable in harsh grid conditions
- DSP full digital control for rectification, inversion, charging, and discharging
- Integrated design for easy installation and space-saving
- Supports N+X redundancy
- Intelligent sleep and battery inspection functions



High Efficiency

- Efficiency: up to 95%, with power topology and smart control

Applications: Communication, finance, government, taxation, medical, military, etc.



Flexible

- 7-inch color touch screen with user-friendly interface.
- Hot-swappable power and battery modules for easy maintenance.
- Battery cold start support.
- Optional SNMP card and dry contact card



Intelligent Battery Management

- Configurable batteries.
- Smart temperature and charge/discharge management.
- Key battery parameters monitor.
- Built-in battery disconnect protection.
- Real-time UPS and BMS communication, intelligent battery management and protection.



Battery Module



Power Module



Main cabinet/Battery cabinet

Specification

Model	DPS33120A	
System Power	100kVA	
Optional Power Module	20kVA/25kVA, with optional N+X redundancy	
Input		
Voltage Range	305~477Vac	
Frequency Range	40~70Hz	
Power Infactor	0.99	
Battery		
Battery Voltage (Vdc)	±180~±264 (by default ±240)	
Battery Number	30/32/34/36/38/40/42/44 (12Vdc) (adjustable, by default 40, internal battery module 480V)	
Output		
Rated Voltage	380/400/415Vac	
Voltage Accuracy	±1%	
Rated Frequency	50/60Hz	
Synchronization Range	50/60Hz±0.5、±1、±2、±3 (adjustable)	
Voltage Waveform Distortion	≤2% (resistive load)	
Efficiency	Up to 95%	
Switch Time	0ms	
Environment		
Noise	60dB @ 1Meter	
Altitude	≤1000, 1000m-2000m derated by 1% per 100m	
Humidity	0~95%, non-condensing	
Temperature	0 ~ 40°C	
Mechanics		
Dimensions W×D×H(mm)	600*1200*2000	600*1200*2200
Weight (kg)	1000 (25kVA module) /1025 (20kVA module)	1010 (25kVA module) /1035 (20kVA module)
Protection	IP20	
Display	7-inch touchscreen	
Standard		
EN62040-1,IEC62040-1,AS62040-1,EN62040-2,IEC62040-2,AS62040-2(C3),EN62040-3,IEC62040-3,AS62040-3(VFI SS 111)		

*Product specifications are subject to change without notice.

