

Preen[®]



Solid Static Marine Shore Power Supply

**BPS-F Series
300~1200kVA**

Professional Power Solution Provider



ISO 9001 FM77639

BPS-F -

3
Input Phase
3

1
Output Phase
1

800
Capacity
800kVA

T
Input Voltage
220/380V

BPS-F Series Solid Static Marine Shore Power Supply products are specifically designed medium-high solid state frequency converters. The capacity ranging from 300kVA to 1200kVA.

BPS-F Series products adopt the digital control technology, are suitable to be used in adverse circumstances of high humidity, high temperature, high corrosion in ships, shore terminals etc. With high reliability and stability, BPS-F Series products can provide 60Hz high-quality power supply.

According to the use of the environment of the customer, BPS-F Series products can be alternatively installed in outdoor or indoor distribution room, protection levels reaching IP54 and IP20.

BPS-F Series Specifications

Model	BPS-F-33300	BPS-F-33400	BPS-F-33500	BPS-F-33600	BPS-F-33800	BPS-F-331000	BPS-F-331200
Capacity(kVA)	300	400	500	600	800	1000	1200
Circuit Type	IGBT/PWM Type						
Input	Phase	Three Phase					
	Wave	SINE WAVE					
	Voltage	220V/380V ①					
	Voltage range	220V/380V±15%					
	Frequency range	50Hz±3Hz or 60Hz±3Hz					
	Max. current (Full load)	505	673	842	1010	1347	1684
Output	Phase	Three Phase					
	Wave	SINE WAVE					
	Voltage	440V±5% (Line voltage)					
	Frequency	50Hz or 60Hz					
	Frequency regulation	≤0.01%					
	Max. current	394	525	656	787	1050	1312
System	Power regulation	<1%					
	Load regulation	±1% (Linear load)					
	Total harmonic distortion(THD)	3% (Linear load)					
	Efficiency	≥92% (Full load)					
	Response time	≤2ms					
	Crest Factor	3 : 1					
	Protection device	Input no-fuse breaker, output no-fuse breaker, electronic circuit instant trip for over/low voltage, over current, over load, over temperature and short circuit protection and alarm system					
Indicator	Voltage	Analytic degree: 0.1V, accurate degree: 0.2%FS+1COUNT					
	Current	Analytic degree: 0.1A, accurate degree: 0.2%FS+1COUNT					
	Frequency	Analytic degree: 0.01Hz, accurate degree: 0.02Hz					
	Power	Analytic degree: 0.1kW, accurate degree: 0.2%FS+1COUNT					
	Power factor	Analytic degree: 0.001, accurate degree: 0.2%FS+1COUNT					
Environmental	Insulation resistance	DC500V 10M					
	Withstand voltage insulation	AC 1800V 10mA/1 Min.					
	Cooling system	Fan cooling					
	Temperature	10 45					
	Humidity	0 90% Non-condensing					
	Altitude	1500m					
Case No.	①	②			③		
Weight (Kg)	2800	3100	4200	4500	4900	5300	5700

Remarks: ① Standard ;
 ② Custom-made specifications are discussible;
 ③ All specifications are subject to change without prior notice.

BPS-F Series Case No. & Size

[Unit: inch / mm (Width×Depth×Height)]



1

1150 × 1240 × 1900

2

2240 × 1240 × 2000

3

3450 × 1240 × 2000

BPS-F Series General Features

BPS-F Series (300kVA~1200kVA)

- One key for shutdown when fault.
- Quick response speed: Response time \leq 2ms.
- High overload capacity:
110% rated load - 1 hour; 150% rated load - 1 minute.
- High efficiency: \geq 92% (Full load) .
- High accurate measurement for parameter:
Input: Voltage-0.1V; Current-0.1A; Frequency-0.01Hz;
Output: Voltage-0.1V; Current-0.1A; Frequency-0.01Hz;
Power-0.1kW; Power factor-0.001.
- Pure output sine-wave.
- Well protection and fault alarm function:
Input: under voltage, out of phase;
output: over voltage, over current, over load, over temperature,
short circuit protection; alarm system.
- Power module design patent.
- Custom-made specifications are discussible.



BPS-F Series Outdoor Unit



- Use BPS-F main power, combine with high standard container, specifically suit for shipbuilding industry outdoor use.
- Protection grade: indoor unit >IP20, and outdoor unit >IP54.
- End-to-end integration design for power supply and power distribution, free to move, easy to use.
- Humanized design, outdoor unit interior is equipped with air conditioning, emergency lighting, fire fighting equipment.
- Dry contact failure alarm function (option).
- Custom-made specifications are discussible.

APPLICATION & SERVICE

AC Power Corp. offers products widely applied in multi-professional fields and provides the best power solutions to customers. Our mission is to satisfy customers' demand by considering the whole conditions including power environment, loading allocation, module solution alternative, thoughtful design, efficient manufacturing, and complete maintenance.

Application



Shipbuilding industries



Ship repair



Port / Dock



Ship Systems

■ China Shipbuilding Industry Corporation

Dalian Shipbuilding Industry Co., Ltd.
Shanhaiguan Shipbuilding Industry Co., Ltd.
Tianjin Xingang Shipyard

■ China State Shipbuilding Corporation

Shanghai Zhongchuan-Changxing Construction Co., Ltd.
Jiangnan Shipyard (Group) Co., Ltd.
Chengxi Shipyard Co., Ltd.
Guangzhou Huangpu Shipyard Co., Ltd.

■ Jiangsu Newyangzi Shipbuilding Co., Ltd.

■ Jiangsu East Shipbuilding Co., Ltd.

■ COSCO Shipyard Group Co., Ltd.

COSCO (Nantong) Shipyard Co., Ltd.
COSCO (Zhoushan) Shipyard Co., Ltd.

■ Yiulian Dock Yards (Shekou) Limited

■ Zhoushan Longshan Shipyard Co., Ltd.

■ Fujian Southeast Shipyard

■ Jiangsu New Century Shipbuilding Co., Ltd.

■ Samjin Shipbuilding Industries Co., Ltd.

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The Power You Trust!

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