

ABD

SINGLE OR THREE PHASE INPUT

D.C. POWER SUPPLY

adjustable output voltage

TECHNICAL SPECIFICATION



Main Features

Small volume, light weight

Memory stores 9 group data
(volt/Amps) for easily recall

Over voltage and over
current protection can be set
according to customers'
requirement.

RS232/RS485

Modbus.(Optional)



ABD SERIES

1kW ~ 480kW

DC Power Supply

Programmable DC power supply



K-FACTOR ABP series solid state DC power supply is one of the most popular DC power supplies designed to change AC power to DC power

ABD series programmable DC Power Supply is able to provide output voltage up to 1200V and current up to 1000A with digital display



For Applications

Communication&Broadcasting Station

New energy R&D

Electrical Engineering& Components Aging

Industrial Control Equipment &DC Motor Test

Cold-started heater test

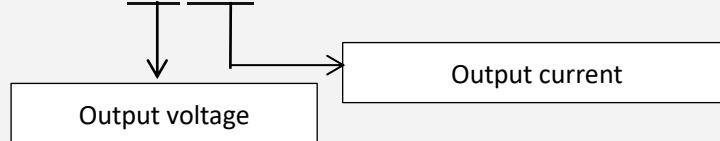
Single-crystal furnace heating system, etc.



MODEL SELECTION

Model Selection of K-FACTOR ABD series solid state DC power supply shown below

ABD - XXX YYYY

**TECHNICAL SPECIFICATION**

Capacity		7.5kW	15kW	30kW	60kW	120kW	240kW	360kW	480kW
Working technology		Switching -PWM							
INPUT	Phase	1φ or 3φ4W			3φ4W				
	Voltage	220V or 380V±10%			380V±10%				
	Frequency	50Hz/60Hz±10%							
OUTPUT	Voltage	Current							
	300VDC	25A	50A	100A	200A	400A	800A		
	600VDC	12.5A	25A	50A	100A	200A	400A	600A	
	900VDC	7.5A	17A	34A	68A	136A	272A	400A	800A
	1200VDC	4A	8A	25A	50A	100A	200A	300A	400A
Ripple		1%FS							
Load Regulation		±1%FS							
Voltage Resolution		Vo<1000:0.1V,Vo≥1000V:1V							
Current Resolution		Io<1A:0.001A,100A> Io≥10A:0.01A,1000A> Io≥100A:0.1A,Io≥1000A:1A							
kW Resolution		0.1W							
LED/LCD Display		Volt、Amps、Watt、Time							
Setting mode	CV	10%-100% rated voltage							
	CC	10%-100% rated current							
Setting accuracy	Voltage	±1%							
	Current	±1%							
Measuring accuracy	Voltage	0.5%FS+5dgt							
	Current	0.5%FS+5dgt							
	Wattage	0.5%FS+5dgt							
Memory		Store 9 group data(voltage/current)for easily recall							
I-LIM Set		O-Max Current(output cut off when exceed max current)							
V-LIM Set		O-Max Voltage(output cut off when exceed max current)							
Protection		Over Voltage, Over Current,Over Temp,Short Circuit							
Cooling		exhaust fans							
Environment		0-40℃ 20-80%RH(non condensation)							
Weight(Kg)		50	100	150	300	750	1000	1800	2500
W×H×D(mm)		430×360×50	550×700×700		550×1100×700	600×1580×1000		1260×1580×1000	

Capacity		2kW	3kW	6kW	9kW	12kW	15kW	20kW	30kW
Working technology		Switching -PWM							
INPUT	Phase	1φ				3φ4W			
	Voltage	220V±10%				380V±10%			
	Frequency	50Hz/60Hz±10%							
OUTPUT	Voltage	Current							
	30VDC	67A	100A	200A	300A	400A	500A	670A	1000A
	60VDC	30A	50A	100A	150A	200A	250A	335A	500A
	100VDC	20A	30A	60A	90A	120A	150A	200A	300A
	150VDC	13.4A	20A	40A	60A	80A	100A	134A	200A
Ripple		1%FS							
Load Regulation		±1%FS							
Voltage Resolution		Vo<1000:0.1V,Vo≥1000V:1V							
Current Resolution		Io<1A:0.001A,100A>Io≥10A:0.01A,1000>Io≥100A:0.1A,Io≥1000A:1A							
Watt Resolution		0.1W							
LED Display		Volt、Amps、Watt、Time							
Setting mode	CV	10%-100% rated voltage							
	CC	10%-100% rated current							
Setting accuracy	Voltage	±1%							
	Current	±1%							
Measuring accuracy	Voltage	0.5%FS+5dgt							
	Current	0.5%FS+5dgt							
	Wattage	0.5%FS+5dgt							
Memory		store 9 group data(voltage/current)for easily recall							
I-LIM Set		O-Max Current(output cut off when exceed max current)							
V-LIM Set		O-Max Voltage(output cut off when exceed max current)							
Protection		Over Voltage, Over Current,Over Temp,Short Circuit							
Cooling		exhaust fans							
Environment		0-40℃ 20-80%RH(non condensation)							
Weight(Kg)		23	25	50	60	80	100	150	200
W×H×D(mm)		430×133×500		430×360×550		430×700×700		550×700×700	

K-FACTOR Reserves the right to change or modify product design, construction, specification or material without prior notice and without incurring any obligation.

SERVICES

K-FACTOR SRL applies for various specific applications and power solution: electric environmental consideration, load arrangements optimization, power capacity matching advice, customization design, high effective manufacturing, on time technical support & etc. Any power problem, go to K-FACTOR !



SHORT DELIVERY

Part of our models are available from stock.

5-6 weeks for the standard models, please feel free to contact with us if you want a very short lead time on deliveries due for certain model.



CUSTOMIZED SOLUTIONS

K-FACTOR SRL is able to meet most requirements of customers. If custom built solutions are required, we can redesign & make it according to certain quantity requirement.



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K-FACTOR PRODUCTS RANGE

Frequency Converter / AC Power Supply

Single and three phase Electric

Transformers up to 1000kVA

Static Voltage Stabilizer

Servo Voltage Stabilizer

DC Power Supply / Battery charger

Uninterruptible Power Supply (UPS)

Resistive/Electronic Load Bank

Pure Sine Wave Dc To Ac Inverter