



### Features:

- Galvanic isolated output
- Wide temperature range
- Wide voltage range
- Custom voltages available

### General specifications

Input Voltage range	±15%	
Output Voltage adjustment range	±1-2%	
Output Power continuous	120W	
Output Power maximum	150W	
Efficiency	86% ±4%	
Load rating	It is recommended that the general load continuous load be controlled at about 80%, and the inductive, capacitive, power amplifier, radio and other loads of power motors are about 40%.	
Protection	Overload	105-150%
	Undervoltage	Nominal input voltage -18%
	Overvoltage	Nominal input voltage +18%
No-load power consumption	<3W	
No-load current	<0.2A	
Start Time	1-2s (soft start)	
Shock resistance	10 ~ 500Hz, 2G 10 seconds / 1 cycle, 60 minutes in total, each axis	
Withstand voltage	Between input and output: 1.5KVAC, input and enclosure: 1.5KVAC output and enclosure: 0.5KVAC	
Isolation resistance	Between input and output, input and housing, output and housing: 500VDC / 100M Ohms	
Working temperature / humidity	-30°C ~ +65°C, 20% ~ 90%RH	
Storage temperature / humidity	-40°C ~ +85°C, 20% ~ 90%RH	
Dimensions	159*98*38mm	
Shell material	0.35Kgs	
Safety standard	EN55015 EN61547 EN61000-3-2 EN6100-3-3	
EMC standards	EN61347-1 EN61347-2-13	

### Custom models

Custom input voltages and/or output voltages are available on request

## 12V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-12	12V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-12	12V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-12	12V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-12	12V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-12	12V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-12	12V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-12	12V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-12	12V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-12	12V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-12	12V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-12	12V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-12	12V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-12	12V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 24V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-24	24V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-24	24V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-24	24V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-24	24V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-24	24V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-24	24V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-24	24V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-24	24V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-24	24V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-24	24V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-24	24V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-24	24V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-24	24V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 36V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-36	36V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-36	36V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-36	36V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-36	36V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-36	36V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-36	36V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-36	36V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-36	36V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-36	36V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-36	36V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-36	36V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-36	36V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-36	36V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 48V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-48	48V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-48	48V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-48	48V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-48	48V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-48	48V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-48	48V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-48	48V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-48	48V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-48	48V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-48	48V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-48	48V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-48	48V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-48	48V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 72V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-72	72V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-72	72V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-72	72V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-72	72V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-72	72V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-72	72V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-72	72V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-72	72V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-72	72V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-72	72V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-72	72V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-72	72V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-72	72V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 110V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-110	110V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-110	110V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-110	110V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-110	110V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-110	110V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-110	110V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-110	110V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-110	110V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-110	110V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-110	110V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-110	110V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-110	110V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-110	110V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 220V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-220	220V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-220	220V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-220	220V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-220	220V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-220	220V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-220	220V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-220	220V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-220	220V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-220	220V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-220	220V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-220	220V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-220	220V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-220	220V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 300V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-300	300V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-300	300V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-300	300V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-300	300V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-300	300V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-300	300V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-300	300V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-300	300V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-300	300V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-300	300V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-300	300V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-300	300V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-300	300V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A

## 400V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY120-DD12-400	400V $\pm$ 15%	12V $\pm$ 1-2%	10A	12.5A
DY120-DD24-400	400V $\pm$ 15%	24V $\pm$ 1-2%	5A	6.25A
DY120-DD36-400	400V $\pm$ 15%	36V $\pm$ 1-2%	3.3A	4.1A
DY120-DD48-400	400V $\pm$ 15%	48V $\pm$ 1-2%	2.5A	3.1A
DY120-DD110-400	400V $\pm$ 15%	110V $\pm$ 1-2%	1.1A	1.35A
DY120-DD150-400	400V $\pm$ 15%	150V $\pm$ 1-2%	0.8A	1A
DY120-DD200-400	400V $\pm$ 15%	200V $\pm$ 1-2%	0.6A	0.75A
DY120-DD220-400	400V $\pm$ 15%	220V $\pm$ 1-2%	0.54A	0.68A
DY120-DD250-400	400V $\pm$ 15%	250V $\pm$ 1-2%	0.48A	0.6A
DY120-DD280-400	400V $\pm$ 15%	280V $\pm$ 1-2%	0.42A	0.53A
DY120-DD300-400	400V $\pm$ 15%	300V $\pm$ 1-2%	0.4A	0.5A
DY120-DD350-400	400V $\pm$ 15%	350V $\pm$ 1-2%	0.34A	0.42A
DY120-DD400-400	400V $\pm$ 15%	400V $\pm$ 1-2%	0.3A	0.37A