



## Features:

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

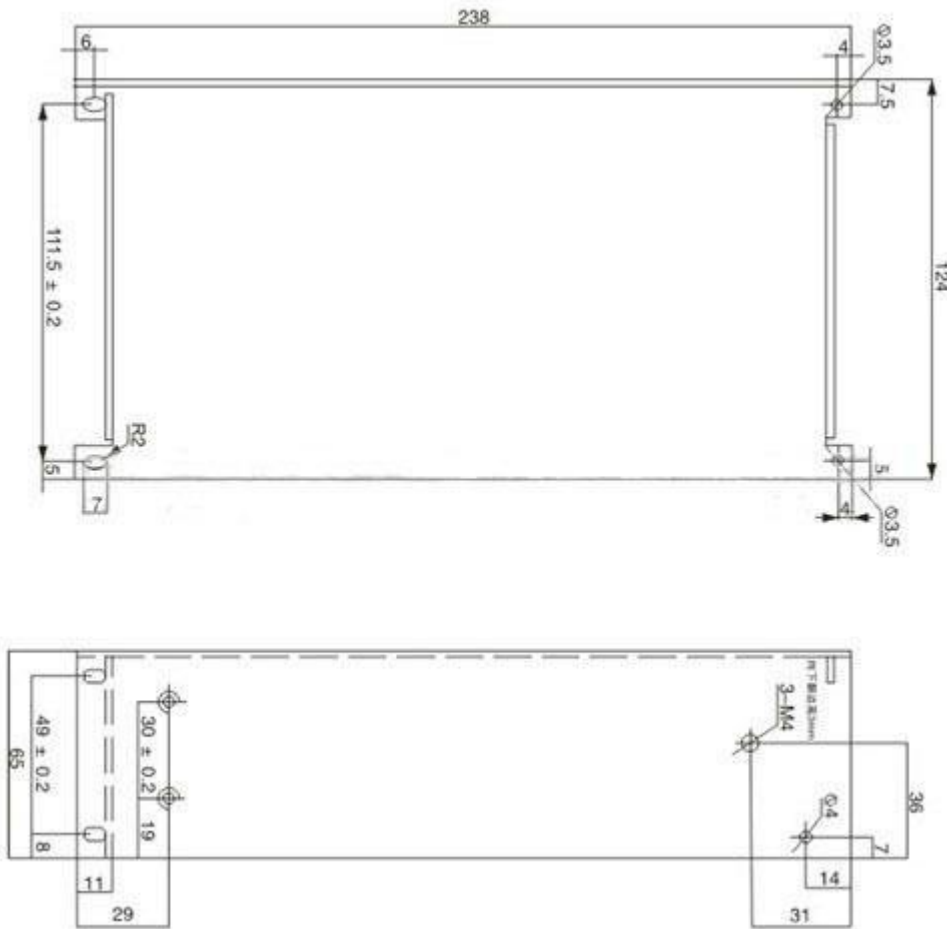
## General specifications

Input Voltage range	±15%	
Output Voltage adjustment range	±1-2%	
Output Power continuous	400W	
Output Power maximum	500W	
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	238*124*65mm	
Weight	0.8Kgs	
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

## Mechanical Drawing



## Versions

### 12V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-12	12V ±15%	12V ±1-2%	33A	41A
DY400-DD24-12	12V ±15%	24V ±1-2%	16.6A	20.8A
DY400-DD36-12	12V ±15%	36V ±1-2%	11.1A	13.8A
DY400-DD48-12	12V ±15%	48V ±1-2%	8.3A	10.4A
DY400-DD110-12	12V ±15%	110V ±1-2%	3.6A	4.5A
DY400-DD150-12	12V ±15%	150V ±1-2%	2.6A	3.3A
DY400-DD200-12	12V ±15%	200V ±1-2%	2A	2.5A
DY400-DD220-12	12V ±15%	220V ±1-2%	1.8A	2.3A
DY400-DD250-12	12V ±15%	250V ±1-2%	1.6A	2A
DY400-DD280-12	12V ±15%	280V ±1-2%	1.4A	1.8A
DY400-DD300-12	12V ±15%	300V ±1-2%	1.3A	1.6A
DY400-DD350-12	12V ±15%	350V ±1-2%	1.1A	1.4A
DY400-DD400-12	12V ±15%	400V ±1-2%	1A	1.3A

## 24V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-24	24V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-24	24V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-24	24V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-24	24V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-24	24V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-24	24V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-24	24V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-24	24V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-24	24V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-24	24V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-24	24V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-24	24V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-24	24V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 36V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-36	36V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-36	36V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-36	36V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-36	36V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-36	36V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-36	36V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-36	36V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-36	36V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-36	36V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-36	36V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-36	36V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-36	36V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-36	36V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 48V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-48	48V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-48	48V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-48	48V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-48	48V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-48	48V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-48	48V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-48	48V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-48	48V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-48	48V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-48	48V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-48	48V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-48	48V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-48	48V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 72V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-72	72V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-72	72V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-72	72V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-72	72V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-72	72V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-72	72V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-72	72V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-72	72V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-72	72V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-72	72V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-72	72V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-72	72V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-72	72V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 110V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-110	110V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-110	110V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-110	110V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-110	110V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-110	110V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-110	110V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-110	110V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-110	110V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-110	110V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-110	110V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-110	110V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-110	110V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-110	110V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 220V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-220	220V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-220	220V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-220	220V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-220	220V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-220	220V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-220	220V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-220	220V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-220	220V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-220	220V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-220	220V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-220	220V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-220	220V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-220	220V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 300V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-300	300V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-300	300V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-300	300V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-300	300V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-300	300V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-300	300V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-300	300V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-300	300V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-300	300V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-300	300V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-300	300V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-300	300V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-300	300V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 350V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-350	350V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-350	350V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-350	350V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-350	350V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-350	350V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-350	350V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-350	350V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-350	350V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-350	350V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-350	350V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD350-350	350V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-350	350V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-350	350V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 400V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-400	400V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-400	400V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-400	400V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-400	400V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-400	400V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-400	400V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-400	400V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-400	400V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-400	400V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-400	400V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-400	400V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-400	400V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-400	400V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 500V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-500	500V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-500	500V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-500	500V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-500	500V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-500	500V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-500	500V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-500	500V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-500	500V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-500	500V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-500	500V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-500	500V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-500	500V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-500	500V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 600V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-600	600V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-600	600V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-600	600V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-600	600V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-600	600V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-600	600V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-600	600V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-600	600V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-600	600V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-600	600V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-600	600V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-600	600V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-600	600V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A

## 700V input

Model	Input Voltage	Output Voltage	Output Current Continuous	Output Current Maximum
DY400-DD12-700	700V $\pm$ 15%	12V $\pm$ 1-2%	33A	41A
DY400-DD24-700	700V $\pm$ 15%	24V $\pm$ 1-2%	16.6A	20.8A
DY400-DD36-700	700V $\pm$ 15%	36V $\pm$ 1-2%	11.1A	13.8A
DY400-DD48-700	700V $\pm$ 15%	48V $\pm$ 1-2%	8.3A	10.4A
DY400-DD110-700	700V $\pm$ 15%	110V $\pm$ 1-2%	3.6A	4.5A
DY400-DD150-700	700V $\pm$ 15%	150V $\pm$ 1-2%	2.6A	3.3A
DY400-DD200-700	700V $\pm$ 15%	200V $\pm$ 1-2%	2A	2.5A
DY400-DD220-700	700V $\pm$ 15%	220V $\pm$ 1-2%	1.8A	2.3A
DY400-DD250-700	700V $\pm$ 15%	250V $\pm$ 1-2%	1.6A	2A
DY400-DD280-700	700V $\pm$ 15%	280V $\pm$ 1-2%	1.4A	1.8A
DY400-DD300-700	700V $\pm$ 15%	300V $\pm$ 1-2%	1.3A	1.6A
DY400-DD350-700	700V $\pm$ 15%	350V $\pm$ 1-2%	1.1A	1.4A
DY400-DD400-700	700V $\pm$ 15%	400V $\pm$ 1-2%	1A	1.3A