

# COTEK

## DN/DV Series 10~480W Din Rail Power Supply



- Universal AC input / Full range
- Installed on DIN rail TS-35 / 7.5 or 15
- Built-in active PFC function, PF > 0.95
- Protection: SCP, OLP, OVP
- High operation temperature up to 70°C
- True DC OK signal output
- UL 508(Industrial control equipment) listed
- UL 1310 Class 2 Power unit / LPS pass (DN only)

- High power density \*
- Two selectable peak load modes \*
- Built-in DC OK relay contact \*
- Built-in remote ON / OFF function \*
- 150% peak load capability \*

# User Benefits



**Simple usage**  
Install in seconds



**Small size**  
Reduce space requirement



**Front-end access**  
Easy operating and maintenance



## Peak Load up to **150%** (3 seconds)

- 150W could support up to 225W
- 240W could support up to 360W
- 480W could support up to 720W

## High Efficiency

Up to 94%



## Remote ON/OFF (Inhibit)

- Removes the need for large and expensive switch gear.
- Avoid inrush current once the unit has been powered for the first time and ensures faster response at the output at switch-on.



## Applications



### Industrial

Automotive  
Machine tool  
Material handling

Packaging  
Food processing  
Panel builders

Automation  
Machine Control  
Process control

Conveying equipment  
Welding




# Specification

## DN Series

### 10W ~100W DIN Rail Power Supply






Model		DN-10-12	DN-10-15	DN-10-24	DN-20-12	DN-20-15	DN-20-24
	DC Voltage	12V	15V	24V	12V	15V	24V
	Rated Current	0.84A	0.67A	0.42A	1.7A	1.4A	1A
	Rated Power	10.08W	10.05W	10.08W	20.4W	21W	24W
	Ripple & Noise (Max.)	100mVp-p	100mVp-p	120mVp-p	100mVp-p	100mVp-p	120mVp-p
	Voltage Adj. Range	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V
Input	Voltage Range	88 ~ 264VAC, 124 ~ 370VDC					
	Efficiency (Typ.)	81%	81%	81%	83%	85%	86%
Model		DN-40-12	DN-40-15	DN-40-24	DN-40-48		
	DC Voltage	12V	15V	24V	48V		
	Rated Current	3.4A	2.7A	1.7A	0.85A		
	Rated Power	40.8W	40.5W	40.8W	40.8W		
	Ripple & Noise (Max.)	100mVp-p	100mVp-p	120mVp-p	180mVp-p		
	Voltage Adj. Range	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V		
Input	Voltage Range	88 ~ 264VAC, 124 ~ 370VDC					
	Efficiency (Typ.)	84%	84%	84%	85%		
Model		DN-60-12	DN-60-15	DN-60-24	DN-60-48		
	DC Voltage	12V	15V	24V	48V		
	Rated Current	5A	4A	2.5A	1.25A		
	Rated Power	60W	60W	60W	60W		
	Ripple & Noise (Max.)	100mVp-p	100mVp-p	120mVp-p	180mVp-p		
	Voltage Adj. Range	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V		
Input	Voltage Range	88 ~ 264VAC, 124 ~ 370VDC					
	Efficiency (Typ.)	86%	87%	87%	88%		
Model		DN-100-12	DN-100-15	DN-100-24	DN-100-48		
	DC Voltage	12V	15V	24V	48V		
	Rated Current	7.5A	6.4A	4A	2A		
	Rated Power	90W	100W	100W	100W		
	Ripple & Noise (Max.)	180mVp-p	180mVp-p	180mVp-p	250mVp-p		
	Voltage Adj. Range	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V	43.2 ~ 52.8V		
Input	Voltage Range	88 ~ 264VAC, 124 ~ 370VDC					
	Efficiency (Typ.)	87%	87%	88%	87%		

## DV Series

### 150W/ 240W/ 480W DIN Rail Power Supply



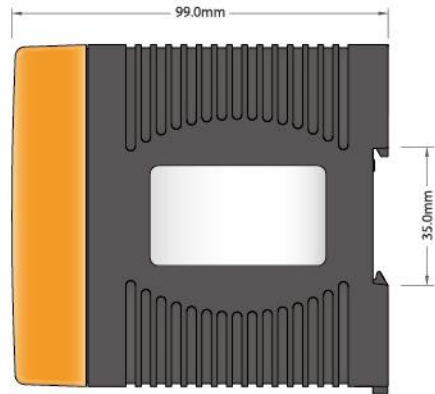
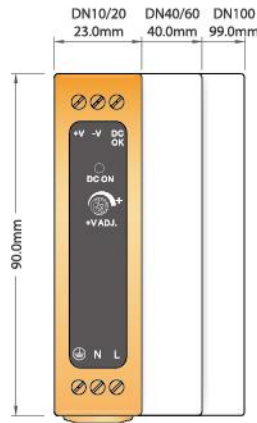
Model		DV-150-24	DV-150-48
	DC Voltage	24V	48V
	Rated Current	6.25A	3.125A
	Rated Power	150W	150W
	Ripple & Noise (Max.)	240mVp-p	480mVp-p
	Voltage Adj. Range	-2 ~ +8%	
Input	Voltage Range	90 ~ 264VAC, 124 ~ 373VDC	
	Efficiency (Typ.)	87%	
Model		DV-240-24	DV-240-48
	DC Voltage	24V	48V
	Rated Current	10A	5A
	Rated Power	240W	240W
	Ripple & Noise (Max.)	240mVp-p	480mVp-p
	Voltage Adj. Range	-2 ~ +8%	
Input	Voltage Range	90 ~ 264VAC, 124 ~ 373VDC	
	Efficiency (Typ.)	91%	92%
Model		DV-480-24	DV-480-48
	DC Voltage	24V	48V
	Rated Current	20A	10A
	Rated Power	480W	480W
	Ripple & Noise (Max.)	240mVp-p	480mVp-p
	Voltage Adj. Range	-5 ~ +5%	
Input	Voltage Range	90 ~ 264VAC, 124 ~ 373VDC	
	Efficiency (Typ.)	93%	94%

• Subject to change without prior notice

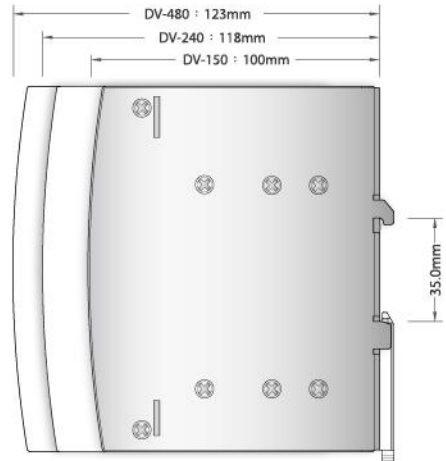
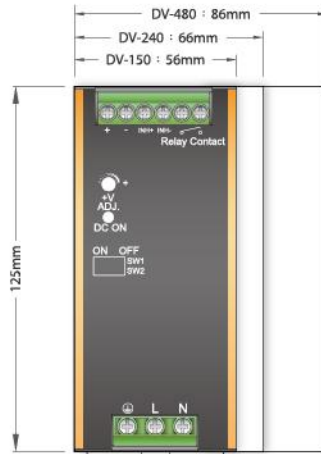


# Dimension

## DN Series



## DV Series



# About COTEK



COTEK is committed to providing proactive service, innovative technology and total quality assurance since we were established in 1986. With Corporate Offices in Tao-yuan, Taiwan, COTEK is a technology-oriented company focusing on developing, designing and manufacturing products including:

- AC/DC Switching Mode Power Supply-5 Watts ~ 3,000 Watts
- LED Driver
- DC/AC Pure Sine Wave inverter-150 Watts ~ 4,000 Watts
- Inverter/Charger
- Battery Charger

## Contact Us

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