

CDKG-S Rail-Type Switching Power Supply

Product Characteristics

- With TS-35/7.5 or TS-35/15 rail installation method
- Small size, light weight, novel appearance
- High-frequency PWM hardware adjustment technology, fast response, stable output
- High-power MOS drive, reliable operation, strong overload capacity
- Overload, overvoltage, overheating, short circuit and other protective functions
- High efficiency and low output voltage ripple
- LED working indicator
- Working height 2000 m above sea level
- CE, RoHs, EMC

Selection Guide

Product name	Number of output circuits	Rated power	Output voltage
CDKG	S	☐	☐
	S: Single loop output	15W 30W 45W 60W 75W 100W 120W 240W 480W	5V 12V 15V 24V 48V

Description

CDKG-S Switching Power Supply



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Technical Parameters

Specification and model		CDKG-S-15, CDKG-S-30, CDKG-S-45, CDKG-S-60, CDKG-S-75, CDKG-S-100, CDKG-S-120, CDKG-S-240, CDKG-S-480			
Input voltage		15~100W	120W	240W	480W
Range AC		100~240V	100~240V	100~120V/200~240V Switch selection	100~120V/200~240V Switch selection
Output Voltage Tolerance DC	Voltage values	15~75W	100~120W	240~480W	*
	5V±1%	•	*	*	*
	12V±1%	•	•	*	*
	15V±1%	•	•	*	*
	24V±1%	•	•	•	•
	48V±1%	*	*	•	•
		Note: Each specification can only output one set of corresponding voltage, the conventional preferred value voltage marked with "*", and the special voltage level needs to be customized by protocol.			
Overload Protection		110~200%			
Overvoltage Protection		110~140%			
Temperature Protection		100±5℃ (240 W and 480 W only)			
Output Circuit		Single output			
Output Voltage Regulation Range		±10%			
Withstand Voltage		Input and shell: 1.5KVAc/1min, output and shell: 0.5KVAc/1min			
Cooling mode		Natural air cooling			
Working environment		Operating Temperature -10℃ +55℃ , Relative Humidity 20%-90%RH			

15W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S15-05	5V	0~2.4A	80mvp-p	±2%	≥73%	CDKUS155
CDKG-S15-12	12V	0~1.25A	100mvp-p	±1%	≥80%	CDKGS1512
CDKG-S15-15	15V	0~1A	100mvp-p	±1%	≥80%	CDKGS1515
CDKG-S15-24	24V	0~0.63A	100mvp-p	±1%	≥80%	CDKGS1524

30W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S30-05	5V	0~3A	100mvp-p	±2%	≥73%	CDKGS305
CDKG-S30-12	12V	0~2A	120mvp-p	±1%	≥82%	CDKGS3012
CDKG-S30-15	15V	0~2A	120mvp-p	±1%	≥82%	CDKGS3015
CDKG-S30-24	24V	0~1.5A	120mvp-p	±1%	≥82%	CDKGS3024

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45W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S45-05	5V	0~5A	100mvp-p	±2%	≥73%	CDKGS455
CDKG-S45-12	12V	0~3.5A	120mvp-p	±1%	≥82%	CDKGS4512
CDKG-S45-15	15V	0~2.8A	120mvp-p	±1%	≥82%	CDKGS4515
CDKG-S45-24	24V	0~2.0A	120mvp-p	±1%	≥82%	CDKGS4524

60W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S60-05	5V	0~6.5A	100mvp-p	±2%	≥73%	CDKGS605
CDKG-S60-12	12V	0~5A	120mvp-p	±1%	≥82%	CDKGS6012
CDKG-S60-15	15V	0~4A	120mvp-p	±1%	≥82%	CDKGS6015
CDKG-S60-24	24V	0~2.5A	120mvp-p	±1%	≥82%	CDKGS6024

75W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S75-12	12V	0~6.3A	120mvp-p	±1%	≥83%	CDKGS7512
CDKG-S75-24	24V	0~3.2A	150mvp-p	±1%	≥83%	CDKGS7524
CDKG-S75-48	48V	0~1.6A	240mvp-p	±1%	≥84%	CDKGS7548

100W



Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S100-12	12V	0~7.5A	150mvp-p	±1%	≥83%	CDKGS10012
CDKG-S100-15	15V	0~6.5A	150mvp-p	±1%	≥83%	CDKGS10015
CDKG-S100-24	24V	0~4.2A	240mvp-p	±1%	≥84%	CDKGS10024

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Technical Parameters



120W

Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S120-12	12V	0~10A	150mvp-p	±1%	≥83%	CDKGS12012
CDKG-S120-24	24V	0~5A	150mvp-p	±1%	≥83%	CDKGS12024
CDKG-S120-48	48V	0~2.5A	240mvp-p	±1%	≥84%	CDKGS12048



240W

Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S240-24	24V	0~10A	200mvp-p	±1%	≥85%	CDKGS24024
CDKG-S240-48	48V	0~5A	240mvp-p	±1%	≥85%	CDKGS24048



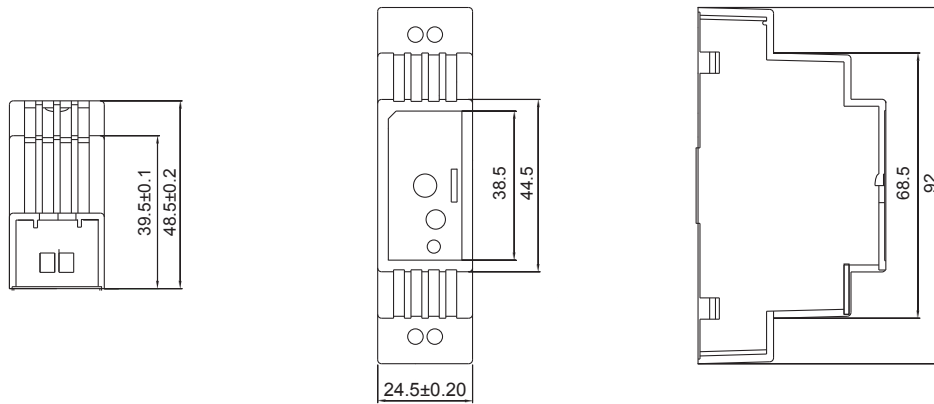
480W

Model	Output voltage	Current range	Ripple and noise	Voltage efficiency	Efficiency	Order number
CDKG-S480-24	24V	0~20A	200mvp-p	±1%	≥87%	CDKGS48024
CDKG-S480-48	48V	0~10A	240mvp-p	±1%	≥88%	CDKGS48048

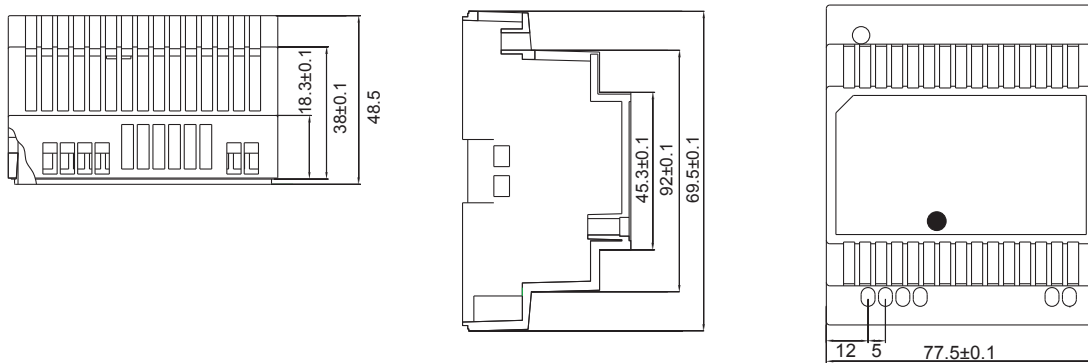
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Installation Instructions

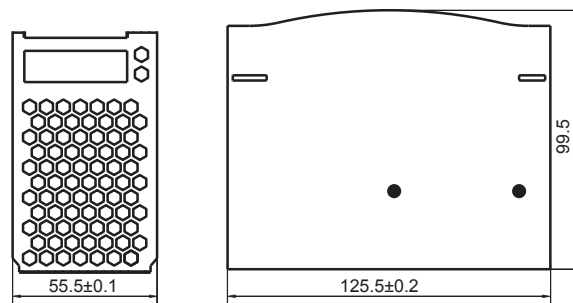
• CDKG-S15



• CDKG-S30-60



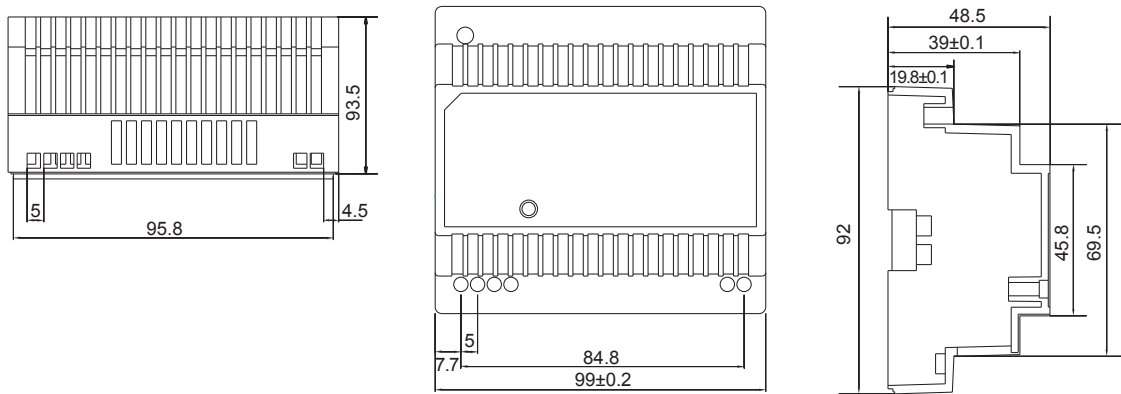
• CDKG-S75



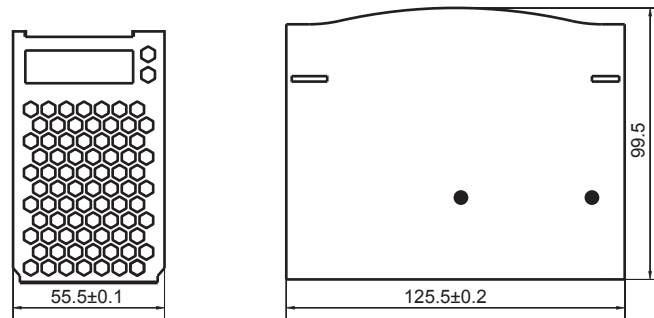
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Installation Instructions

• CDKG-S100



• CDKG-S120



• CDKG-S240-480

