

APK SERIES

DC/DC Single Output: 25-60 Watts



Features

- DIN-Rail and panel mount option
- Input voltage options: 12V, 24V and 48VDC
- Other inputs on request
- Low profile, fully encapsulated module
- Ideal for harsh environments
- Adjustable output
- Overcurrent protection
- High operating temperature range +70°C
- Input - output isolation
- Low cost non-isolated units on request
- Suitable for a wide range of industrial applications
- Special low cost non-isolated models on request
- **110V DC input options**

DIN Rail Option:

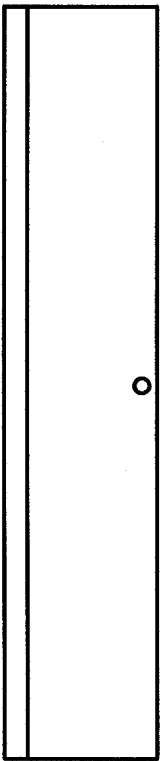
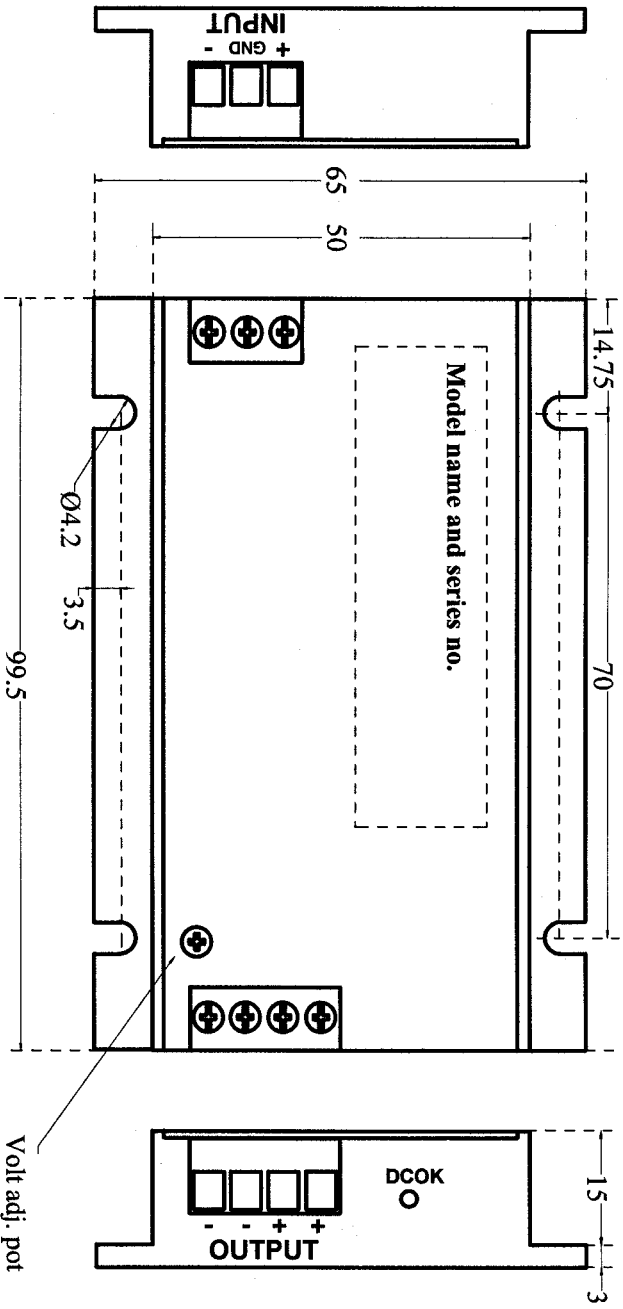
Order Din Rail clips P/N: C-CL01-002 (2 pcs Required)

Specifications

INPUT :	12 VDC (10.5~16V) 24 VDC (20~30V) 48 VDC (40~60V) Other voltages on request
INPUT PROTECTION:	By external fuse.
EFFICIENCY:	Model dependent 78-85%
VOLTAGE ACCURACY:	Voltage settings accuracy within 2%
OUTPUT VOLTAGE:	Refer to table
VOLTAGE ADJUSTMENT:	Typically $\pm 10\%$
OUTPUT POWER:	25~60 watts
OUTPUT PROTECTION:	Output current limiting with auto recovery. Thermal shutdown with auto restart
ISOLATION:	Input - output 500 VDC Input - case 500 VDC Output - case 500 VDC
LINE REGULATION:	$\pm 0.4\%$
LOAD REGULATION:	$\pm 0.4\%$
OUTPUT RIPPLE & NOISE:	Model dependent typically 1% of V out
SWITCHING FREQUENCY:	60W model: 300KHz 25W model: 400KHz
COOLING:	Convection cooled
HUMIDITY:	5~95% RH non-condensing
OPERATING TEMP:	-20°C to 50°C at 100% load +60°C at 75% load, +70°C at 50% load
DIMENSIONS:	APK25 & APK60: 100 x 65 x 18mm 180g.
CONNECTOR:	Screw terminal block

MODEL	Input	Output		Power W
		V	A	
APK25 - 1205	12V	5V	5A	25W
APK25 - 1212	12V	12V	2A	25W
APK25 - 1215	12V	15V	1.6A	25W
APK25 - 1224	12V	24V	1.04A	25W
APK25 - 1248	12V	48V	0.52A	25W
APK25 - 2405	24V	5V	5A	25W
APK25 - 2412	24V	12V	2A	25W
APK25 - 2415	24V	15V	1.6A	25W
APK25 - 2424	24V	24V	1.04A	25W
APK25 - 2448	24V	48V	0.52A	25W
APK25 - 4805	48V	5V	5A	25W
APK25 - 4812	48V	12V	2A	25W
APK25 - 4815	48V	15V	1.6A	25W
APK25 - 4824	48V	24V	1.04A	25W
APK25 - 4848	48V	48V	0.52A	25W

MODEL	Input	Output		Power W
		V	A	
APK60 - 1205	12V	5V	12A	60W
APK60 - 1212	12V	12V	5A	60W
APK60 - 1215	12V	15V	4A	60W
APK60 - 1224	12V	24V	2.5A	60W
APK60 - 1248	12V	48V	1.25A	60W
APK60 - 2405	24V	5V	12A	60W
APK60 - 2412	24V	12V	5A	60W
APK60 - 2415	24V	15V	4A	60W
APK60 - 2424	24V	24V	2.5A	60W
APK60 - 2448	24V	48V	1.25A	60W
APK60 - 4805	48V	5V	12A	60W
APK60 - 4812	48V	12V	5A	60W
APK60 - 4815	48V	15V	4A	60W
APK60 - 4824	48V	24V	2.5A	60W
APK60 - 4848	48V	48V	1.25A	60W



Finish: Black anodised.
 Note: Remove all burr and shape edges
 All dimensions in mm unless otherwise stated.

Title APK Outline		Doc No APK-outline		Issue	
Drawn By: RC		Chkd :		Appvd :	
Date: 20th Sept 2002		Date :		Date :	
AMTEX				Sheet 1 of 1	