

40~90V& 40~135V to 24V Isolated DC Step-Down Converter Specification

Revision Record

Version	Description	Effective Date	Edited by
00	First release	20190510	Dragon

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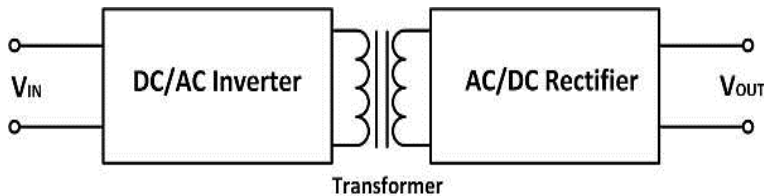
1. Product Overview

1.1 Description

Model No.	Description	Interface material	Remark
ADSI4090T24-01AL	Isolated 40~90Vdc to 24Vdc 1A	Aluminum alloy shell	126x53x36mm
ADSI4090T24-02AL	Isolated 40~90Vdc to 24Vdc 2A	Aluminum alloy shell	126x53x36mm
ADSI4090T24-03AL	Isolated 40~90Vdc to 24Vdc 3A	Aluminum alloy shell	120x86x45mm
ADSI4090T24-04AL	Isolated 40~90Vdc to 24Vdc 4A	Aluminum alloy shell	120x86x45mm
ADSI4090T24-05AL	Isolated 40~90Vdc to 24Vdc 5A	Aluminum alloy shell	120x86x45mm
ADSI4090T24-08AL	Isolated 40~90Vdc to 24Vdc 8A	Aluminum alloy shell	120x128x66mm
ADSI4090T24-10AL	Isolated 40~90Vdc to 24Vdc 10A	Aluminum alloy shell	120x128x66mm
ADSI4090T24-12AL	Isolated 40~90Vdc to 24Vdc 12A	Aluminum alloy shell	160x128x66mm
ADSI4090T24-16AL	Isolated 40~90Vdc to 24Vdc 16A	Aluminum alloy shell	200x128x66mm
ADSI4090T24-20AL	Isolated 40~90Vdc to 24Vdc 20A	Aluminum alloy shell	200x128x66mm
ADSI40135T24-01AL	Isolated 40~135Vdc to 24Vdc 1A	Aluminum alloy shell	126x53x36mm
ADSI40135T24-02AL	Isolated 40~135Vdc to 24Vdc 2A	Aluminum alloy shell	126x53x36mm
ADSI40135T24-04AL	Isolated 40~135Vdc to 24Vdc 4A	Aluminum alloy shell	120x86x45mm
ADSI40135T24-05AL	Isolated 40~135Vdc to 24Vdc 5A	Aluminum alloy shell	120x86x45mm

The ADS series Isolated dc converter (dc power supply) is consist of Bridge drive switch, PWM pulse circuit, power transformer and rectifier filter circuit, topological structure design and ACC control function guarantee a safety application and high transfer efficiency.

Isolated DC/DC converters typically use a transformer to electrically isolate the output from the input of the power stage, if the input and output has a big voltage different(>30V), the isolated dc/dc converter is good selection for using facilities protection.



The Isolated dc converters are widely used in Military, Avionics, Boat, Yacht, Bus, Vehicles, Golf Cart , Forklift, e-sweeper, all kind of automotive, posts and telecommunications, communications, electricity, solar system, coal, aerospace, defense, surveillance systems, railway signals, medical equipment, instruments and meters, LED displays, cable TV ,AGV, Robot, IoT and other fields. If you can not find a suitable model, we can customize it for you

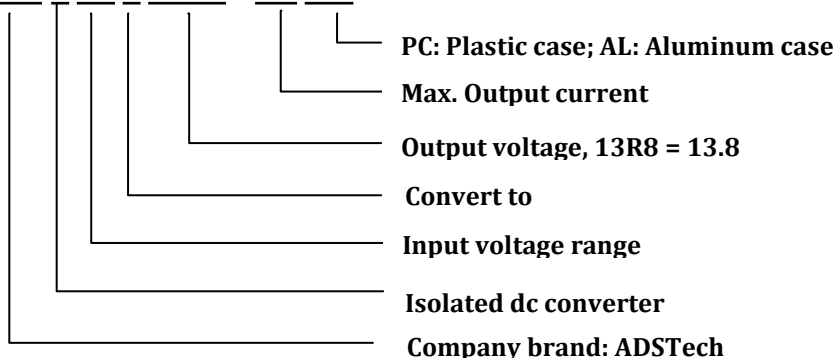
1.2 Features

1. Conversion efficiency > 88% @72Vin,12Vout
2. Pouring Sealed inside, Die-cast aluminum shell
3. Isolated between input and output
4. Anti-Quakeand dust
5. Protection level: IP55
6. Famous key components brand
7. PWM technology and IRF high power transistor
8. Sufficient power with synchronous rectification technology.
9. Over-voltage, over current, short-circuits, over-temperature protection and auto recovery function.
10. Easy installation, Convenient for using and transportation
11. Warranty: 2 Year



1.3 Product Name Definition

ADSI90T13R8 -20 AL



2. Technical Specifications

Model	ADSI4090T24-01AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @18 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	1
	Peak current	A	2
	Rated power	W	24
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 18 or DC connector
	Negative cable	cm	Blue @ 18 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	126x53x36
	Weight	g	200

Model	ADSI4090T24-02AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @18 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	2
	Peak current	A	3
	Rated power	W	48
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 18 or DC connector
	Negative cable	cm	Blue @ 18 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	126x53x36
	Weight	g	200

Model	ADSI4090T24-03AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	3
	Peak current	A	4.5
	Rated power	W	72
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x86x45
	Weight	g	455

Model	ADSI4090T24-04AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	4
	Peak current	A	6
	Rated power	W	96
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x86x45
	Weight	g	455

Model	ADSI4090T24-05AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	5
	Peak current	A	8
	Rated power	W	60
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x86x45
	Weight	g	455

Model	ADSI4090T24-08AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	8
	Peak current	A	12
	Rated power	W	192
	Power consumption	mA	250
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x128x66
	Weight	g	1050

Model	ADSI4090T24-10AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	10
	Peak current	A	15
	Rated power	W	240
	Power consumption	mA	250
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x128x66
	Weight	g	1050

Model	ADSI4090T24-12AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	12
	Peak current	A	15
	Rated power	W	288
	Power consumption	mA	250
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	160x128x66
	Weight	g	1400

Model	ADSI4090T24-16AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	16
	Peak current	A	20
	Rated power	W	384
	Power consumption	mA	250
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	200x128x66
	Weight	g	1760

Model	ADSI4090T24-20AL		
Input	Rated voltage	V	60/72
	Voltage range	V	40-90
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	20
	Peak current	A	25
	Rated power	W	480
	Power consumption	mA	250
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
Withstand voltage	Protection level		IP55
	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
Insulation resistance	Output to shell	V	
	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	200x128x66
	Weight	g	1760

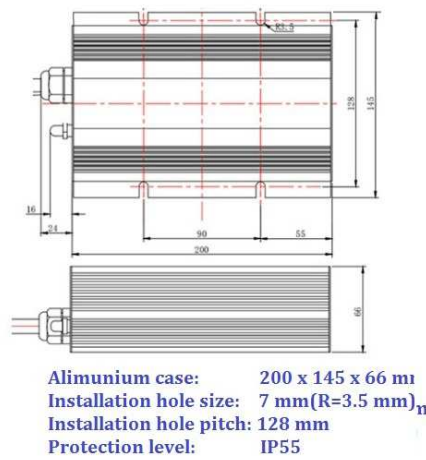
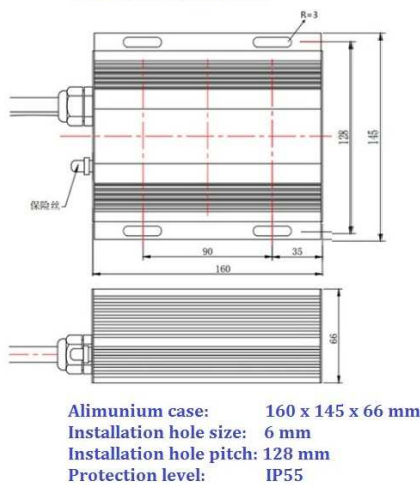
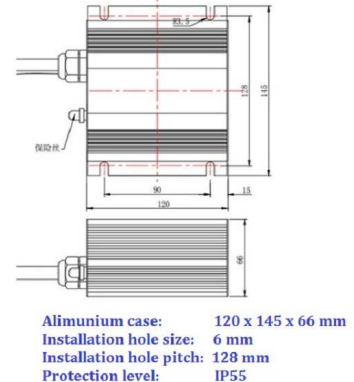
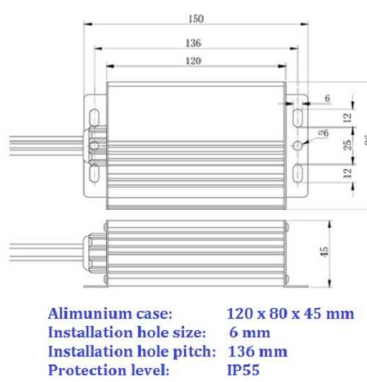
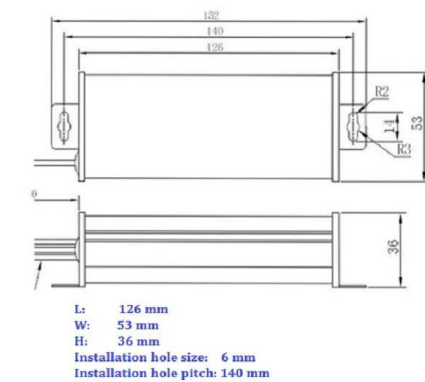
Model	ADSI40135T24-01AL		
Input	Rated voltage	V	72/84
	Voltage range	V	40-135
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @18 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	1
	Peak current	A	3
	Rated power	W	24
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 18 or DC connector
	Negative cable	cm	Blue @ 18 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	126x53x36
	Weight	g	200

Model	ADSI40135T24-02AL		
Input	Rated voltage	V	72/84
	Voltage range	V	40-135
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @18 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	2
	Peak current	A	3
	Rated power	W	48
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 18 or DC connector
	Negative cable	cm	Blue @ 18 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	126x53x36
	Weight	g	200

Model	ADSI40135T24-04AL		
Input	Rated voltage	V	72/84
	Voltage range	V	40-135
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 18 with terminal/DC connector
	Negative cable	cm	Black @18 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	4
	Peak current	A	6
	Rated power	W	48
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 18 or DC connector
	Negative cable	cm	Blue @ 18 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x86x45
	Weight	g	455

Model	ADSI40135T24-05AL		
Input	Rated voltage	V	72/84
	Voltage range	V	40-135
	Conversion efficiency	%	88
	Positive cable	cm	Red @ 16 with terminal/DC connector
	Negative cable	cm	Black @16 /DC connector
Output	Voltage	V	24
	Voltage range	V	23.75~24.25
	Working current	A	5
	Peak current	A	8
	Rated power	W	120
	Power consumption	mA	200
	Ripple & noise	mV	200
	Positive cable	cm	Yellow @ 16 or DC connector
	Negative cable	cm	Blue @ 16 or DC connector
Protection function	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP55
Withstand voltage	Input to output	V	No arcing and breakdown, leakage current<3.5mA @1500Vrms@1min
	Input to shell	V	
	Output to shell	V	
Insulation resistance	Input to output	MΩ	>50MΩ @500Vdc
	Input to shell	MΩ	
	Output to shell	MΩ	
Environment	Working Temperature	°C	-40 ~+80
	Working humidity	RH	< 75
	Storage temperature	°C	-50~+ 90
General	Shell material		Aluminum shell
	Sealed material		Epoxy filled and sealed
	Dimension	mm	120x86x45
	Weight	g	455

3. Dimension



4. Use Attention

1. In strict accordance with the polarity to connect, input positive is Red (+), negative is Black (-), reverse connect will damage the converter, output positive is Yellow (+), negative is Blue (-), Green (ACC control wire), reverse connect will damage the converter or using facility, especially the grounding of input and output isn't common.
2. In order to ensure the converter can get high efficiency output voltage and power, please make sure the sufficient input current and voltage supply.
3. If the multi-output application, please balance each of the load, please don't tie the entire load together.
4. If the load long time work over 80% of rated power, need to lock the converter tightly with extend metal for heat dissipation, if the load power under or equal 80%, shall be more reliable and safe.
5. The ACC control wire use to connect the outside switcher, to control the converter on or off.
6. The converter can't use to charge battery

5. Customer services

Warranty is 2 year, free maintenance service will be offered when there is quality problem since the date of purchase.

If maintenance or adjustment is needed within guarantee period and in the scope of our warranty, please contact our service center

The expense will be absorbed by customer side if any of the following situations happens:

1. Fault was due to maintenance or adjustment without checking or permission of our factory.
2. Fault was caused by manmade, or disassemble by customer side or use of overload, or other natural disasters within the warranty period.
3. Converter was burnt because of incorrect usage of power supply or too high current.

All products have been checked and packaged with ESD bag in good condition before dispatch, in case the item was damaged, please feedback us within 30 days of receipt, we will provide the free replacement, no refunds are offered.

Please contact us through email : services@charger-connector.com , we will response you within 24-48 hours.

OEM:

1. LOGO and Label can be customized, please offer us the model number and logo original file.
2. Parameters and functions can be customized, please offer the details
4. Package can be customized, please provide us the original file.

Payment Terms :

T/T in advance, PayPal, Alipay

Lead Time:

1. Customized samples will be delivered from our factory within 20 working days.
2. General orders will be delivered from our factory within 3~7 working days.
3. Big orders(over 10Kpcs) will be delivered from our factory within 10~25 working days