

# 1224V to 3.7V DC Step-Down Converter Specification

## **Revision Record**

Version	Description	Effective Date	Edited by
00	First release	20150810	Frank
01	Remove iron shell series products	20170411	Frank

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 1 of 18



# **Table of Contents**

1	Pro	duct Overview	2
	1.1	Description	2
	1.2	Features	3
	1.3	Product name definition	3
2	Spe	cification	4
	2.1	12V to 3.7V2~3A series	4~5
	2.2	1224V to 3.7V2~5A series	6~10
	2.3	12V to 3.7V5~10A series	11~12
	2.4	1224V to 3.7V10~30A series	13~17
3	Dim	nension	17
4	Use	Attention	18
5	Cus	tomer Service	18

### 1. Product Overview

# 1.1 Description

Model No.	Description	Interface material	Remark
ADS12T3R7-02PC	12V to 3.7V 2A	Small plastic case	46*27*14
ADS12T3R7-03PC	12V to 3.7V 3A	Small plastic case	46*27*14
ADS1224T3R7-02AL	1224V to 3.7V 2A	Small Aluminum alloy shell	43*25*22
ADS1224T3R7-03AL	1224V to 3.7V 3A	Small Aluminum alloy shell	43*25*22
ADS1224T3R7-05AL	1224V to 3.7V 5A	Small Aluminum alloy shell	43*25*22
ADS12T3R7-05AL	12V to 3.7V 5A	Small Aluminum alloy shell	43*25*22
ADS12T3R7-06AL	12V to 3.7V 6A	Small Aluminum alloy shell	43*25*22
ADS12T3R7-08PC	12V to 3.7V 8A	Middle plastic case	46*32*18
ADS12T3R7-10PC	12V to 3.7V 10A	Middle plastic case	46*32*18
ADS1224T3R7-10AL	1224V to 3.7V 10A	Aluminum alloy shell	74*74*32
ADS1224T3R7-15AL	1224V to 3.7V 15A	Aluminum alloy shell	74*74*32
ADS1224T3R7-20AL	1224V to 3.7V 20A	Aluminum alloy shell	74*74*32
ADS1224T3R7-25AL	1224V to 3.7V 25A	Aluminum alloy shell	74*74*32
ADS1224T3R7-30AL	1224V to 3.7V 30A	Aluminum alloy shell	74*74*32

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 2 of 18



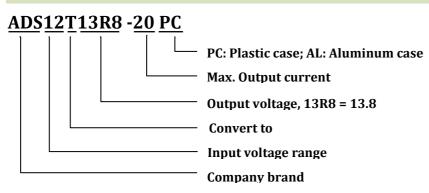
The ADS series dc converter (dc power supply) is consist of Bridge drive switch, PWM pulse circuit, power transformer and rectifier filter circuit, topological structure design guarantee a safety application and high transfer efficiency.

The DC converters are widely used in Military, Avionics, Boat, Yacht, Bus, Vehicles, Golf Cart, Forklift, esweeper, 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 > 93%
- 2. Pouring Sealed inside, Die-cast aluminum shell
- 3. Non-isolated between input and output
- 4. Anti-Quakeand dust
- 5. Protection level: IP67
- 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





Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 3 of 18



# 2. Technical Specifications

Model		ADS12T3R7-02PC				
	Rated voltage	V	12			
	Voltage range	V	7-23			
Input	Conversion efficiency	%	95			
	Positive cable	cm	Red @ 22 or DC connector			
	Negative cable	cm	Black @22 or DC connector			
	Voltage	V	3.7			
	Voltage range	V	3.69~3.71			
	Working current	Α	2			
	Peak current	Α	6			
Output	Rated power	W	7.4			
	Power consumption	mA	5.0			
	Ripple & noise	mV	20			
	Positive cable	cm	Yellow @ 22 or DC connector			
	Negative cable	cm	Black @ 22 or DC connector			
	Input instant over voltage		Yes			
	Output over current		Yes			
	Output short-circuit		Yes			
	Chip over temperature		Yes			
	Input reverse connect		No, can customize			
Protection function	Output reverse connect		No, can customize			
	Automatic recovery		Yes			
	Water-proof		Yes			
	Quake-proof		Yes			
	Dust-proof		Yes			
	Protection level		IP67			
	Working Temperature	°C	-40 ~+85			
Environment	Working humidity	RH	< 90			
	Storage temperature	°C	-50~+ 90			
	Shell material		Flame Retardant Plastic case			
Camaral	Sealed material		Epoxy filled and sealed			
General	Dimension	mm	46*27*14			
	Weight	g	28			

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 4 of 18



Model	ADS12T3R7-03PC				
	Rated voltage	V	12		
	Voltage range	V	7-23		
Input	Conversion efficiency	%	95		
	Positive cable	cm	Red @ 22 or DC connector		
	Negative cable	cm	Black @22 or DC connector		
	Voltage	V	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	3		
	Peak current	Α	6		
Output	Rated power	W	11		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive cable	cm	Yellow @ 22 or DC connector		
	Negative cable	cm	Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Flame Retardant Plastic case		
Camanal	Sealed material		Epoxy filled and sealed		
General	Dimension	mm	46*27*14		
	Weight	g	28		



Model	ADS1224T3R7-02AL				
	Rated voltage	V	12/24		
	Voltage range	V	6-40		
Input	Conversion efficiency	%	95		
	Positive cable	cm	Red @ 22 or DC connector		
	Negative cable	cm	Black @22 or DC connector		
	Voltage	V	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	2		
	Peak current	Α	6		
Output	Rated power	W	7.4		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive cable	cm	Yellow @ 22 or DC connector		
	Negative cable	cm	Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°C	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°C	-50~+ 90		
	Shell material		Aluminum alloy case		
General	Sealed material		Heat organic silicone filled and sealed		
General	Dimension	mm	43*25*22		
	Weight	g	45		

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Version: 01 Date: 20170411 Page 6 of 18



Model	ADS1224T3R7-03AL				
	Rated voltage	V	12/24		
	Voltage range	V	6-40		
Input	Conversion efficiency	%	95		
	Positive cable	cm	Red @ 22 or DC connector		
	Negative cable	cm	Black @22 or DC connector		
	Voltage	٧	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	3		
	Peak current	Α	6		
Output	Rated power	W	11		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive cable	cm	Yellow @ 22 or DC connector		
	Negative cable	cm	Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Aluminum alloy case		
Conoral	Sealed material		Heat organic silicone filled and sealed		
General	Dimension	mm	43*25*22		
	Weight	g	45		

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 7 of 18



Model	ADS1224T3R7-05AL				
	Rated voltage	V	12/24		
	Voltage range	V	6-40		
Input	Conversion efficiency	%	95		
	Positive polarity		Red @ 22 or DC connector		
	Negative polarity		Black @22 or DC connector		
	Voltage	V	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	5		
	Peak current	Α	8		
Output	Rated power	W	18.5		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive polarity		Yellow @ 22 or DC connector		
	Negative polarity		Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Aluminum alloy case		
Conoral	Sealed material		Heat organic silicone filled and sealed		
General	Dimension	mm	43*25*22		
	Weight	g	45		

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 8 of 18



Model		ADS12T3R7-05AL			
	Rated voltage	V	12		
	Voltage range	V	6-28		
Input	Conversion efficiency	%	95		
•	Positive polarity		Red @ 22 or DC connector		
	Negative polarity		Black @22 or DC connector		
	Voltage	V	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	5		
	Peak current	Α	8		
Output	Rated power	W	18.5		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive polarity		Yellow @ 22 or DC connector		
	Negative polarity		Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°C	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°C	-50~+ 90		
	Shell material		Aluminum alloy case		
Canaval	Sealed material		Heat organic silicone filled and sealed		
General	Dimension	mm	43*25*22		
	Weight	g	45		

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 9 of 18



Model	ADS12T3R7-06AL				
	Rated voltage	V	12		
	Voltage range	V	6-28		
Input	Conversion efficiency	%	95		
	Positive polarity		Red @ 22 or DC connector		
	Negative polarity		Black @22 or DC connector		
	Voltage	V	3.7		
	Voltage range	V	3.69~3.71		
	Working current	А	6		
	Peak current	Α	8		
Output	Rated power	W	22		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive polarity		Yellow @ 22 or DC connector		
	Negative polarity		Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Aluminum alloy case		
Conoral	Sealed material		Heat organic silicone filled and sealed		
General	Dimension	mm	43*25*22		
	Weight	g	45		

Ref. No.: <u>20150810</u> Version: <u>01</u> Date: <u>20170411</u> Page <u>10</u> of <u>18</u>



Model	ADS12T3R7-08PC				
	Rated voltage	V	12		
	Voltage range	٧	6-28		
Input	Conversion efficiency	%	95		
	Positive polarity		Red @ 22 or DC connector		
	Negative polarity		Black @22 or DC connector		
	Voltage	٧	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	8		
	Peak current	Α	12		
Output	Rated power	W	29.6		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive polarity		Yellow @ 22 or DC connector		
	Negative polarity		Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Flame Retardant Plastic case		
Conoral	Sealed material		Epoxy filled and sealed		
General	Dimension	mm	46*32*18		
	Weight	g	53		

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Version: 01 Date: 20170411 Page 11 of 18



Model	ADS12T3R7-10PC				
	Rated voltage	V	12		
	Voltage range	٧	6-28		
Input	Conversion efficiency	%	95		
	Positive polarity		Red @ 22 or DC connector		
	Negative polarity		Black @22 or DC connector		
	Voltage	٧	3.7		
	Voltage range	V	3.69~3.71		
	Working current	Α	10		
	Peak current	Α	12		
Output	Rated power	W	37		
	Power consumption	mA	5.0		
	Ripple & noise	mV	20		
	Positive polarity		Yellow @ 22 or DC connector		
	Negative polarity		Black @ 22 or DC connector		
	Input instant over voltage		Yes		
	Output over current		Yes		
	Output short-circuit		Yes		
	Chip over temperature		Yes		
	Input reverse connect		No, can customize		
Protection function	Output reverse connect		No, can customize		
	Automatic recovery		Yes		
	Water-proof		Yes		
	Quake-proof		Yes		
	Dust-proof		Yes		
	Protection level		IP67		
	Working Temperature	°c	-40 ~+85		
Environment	Working humidity	RH	< 90		
	Storage temperature	°c	-50~+ 90		
	Shell material		Flame Retardant Plastic case		
Company	Sealed material		Epoxy filled and sealed		
General	Dimension	mm	46*32*18		
	Weight	g	53		

Version: 01 Date: 20170411 Page 12 of 18



Model	ADS1224T3R7-10AL		
	Rated voltage	V	12/24
Input	Voltage range	V	6-40
	Conversion efficiency	%	93
	Positive polarity		Red @ 18
	Negative polarity		Black @18
	Voltage	V	3.7
	Voltage range	V	3.69~3.71
	Working current	А	10
	Peak current	Α	20
Output	Rated power	W	37
	Power consumption	mA	25
	Ripple & noise	mV	40
	Positive polarity		Yellow @ 18
	Negative polarity		Black @18
	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
Protection function	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP67
Environment	Working Temperature	°c	-40 ~+85
	Working humidity	RH	< 90
	Storage temperature	°c	-50~+ 90
	Shell material		Aluminum alloy case
Comerci	Sealed material		Heat organic silicone filled and sealed
General	Dimension	mm	74*74*32
	Weight	g	300

Ref. No.: <u>20150810</u> Version: <u>01</u> Date: <u>20170411</u> Page <u>13</u> of <u>18</u>



Model	ADS1224T3R7-15AL		1224T3R7-15AL
	Rated voltage	V	12/24
	Voltage range	V	6-40
Input	Conversion efficiency	%	93
	Positive polarity		Red @ 18
	Negative polarity		Black @18
	Voltage	٧	3.7
	Voltage range	V	3.69~3.71
	Working current	Α	15
	Peak current	Α	20
Output	Rated power	W	55
	Power consumption	mA	25
	Ripple & noise	mV	40
	Positive polarity		Yellow @ 18
	Negative polarity		Black @18
	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
Protection function	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP67
	Working Temperature	°c	-40 ~+85
Environment	Working humidity	RH	< 90
	Storage temperature	°c	-50~+ 90
	Shell material		Aluminum alloy case
Conoral	Sealed material		Heat organic silicone filled and sealed
General	Dimension	mm	74*74*32
	Weight	g	300

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Version: 01 Date: 20170411 Page 14 of 18



Model	ADS1224T3R7-20AL		1224T3R7-20AL
	Rated voltage	V	12/24
	Voltage range	V	6-40
Input	Conversion efficiency	%	93
	Positive polarity		Red @ 18
	Negative polarity		Black @18
	Voltage	٧	3.7
	Voltage range	V	3.69~3.71
	Working current	Α	20
	Peak current	Α	25
Output	Rated power	W	74
	Power consumption	mA	25
	Ripple & noise	mV	40
	Positive polarity		Yellow @ 18
	Negative polarity		Black @18
	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
Protection function	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP67
	Working Temperature	°c	-40 ~+85
Environment	Working humidity	RH	< 90
	Storage temperature	°c	-50~+ 90
	Shell material		Aluminum alloy case
Conoral	Sealed material		Heat organic silicone filled and sealed
General	Dimension	mm	74*74*32
	Weight	g	300

Ref. No.: <u>20150810</u> Version: <u>01</u> Date: <u>20170411</u> Page <u>15</u> of <u>18</u>



Model	ADS1224T3R7-25AL		1224T3R7-25AL
	Rated voltage	V	12/24
	Voltage range	V	6-40
Input	Conversion efficiency	%	93
	Positive polarity		Red @ 18
	Negative polarity		Black @18
	Voltage	٧	3.7
	Voltage range	V	3.69~3.71
	Working current	Α	25
	Peak current	Α	30
Output	Rated power	W	92
	Power consumption	mA	25
	Ripple & noise	mV	40
	Positive polarity		Yellow @ 18
	Negative polarity		Black @18
	Input instant over voltage		Yes
	Output over current		Yes
	Output short-circuit		Yes
	Chip over temperature		Yes
	Input reverse connect		No, can customize
Protection function	Output reverse connect		No, can customize
	Automatic recovery		Yes
	Water-proof		Yes
	Quake-proof		Yes
	Dust-proof		Yes
	Protection level		IP67
	Working Temperature	°c	-40 ~+85
Environment	Working humidity	RH	< 90
	Storage temperature	°c	-50~+ 90
	Shell material		Aluminum alloy case
Conoral	Sealed material		Heat organic silicone filled and sealed
General	Dimension	mm	74*74*32
	Weight	g	300

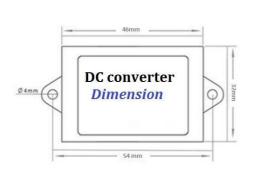
Confidential Document of ADS Electronics Technology (DG) Co., LTD

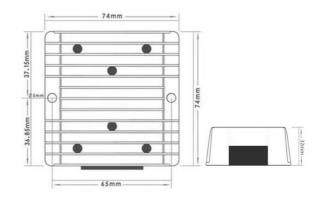
Ref. No.: 20150810 Version: 01 Date: 20170411 Page 16 of 18



Model	ADS1224T3R7-30AL			
	Rated voltage	V	12/24	
	Voltage range	V	6-40	
Input	Conversion efficiency	%	93	
•	Positive polarity		Red @ 18	
	Negative polarity		Black @18	
	Voltage	٧	3.7	
	Voltage range	٧	3.69~3.71	
	Working current	Α	30	
	Peak current	Α	40	
Output	Rated power	W	111	
	Power consumption	mA	25	
	Ripple & noise	mV	40	
	Positive polarity		Yellow @ 18	
	Negative polarity		Black @18	
	Input instant over voltage		Yes	
	Output over current		Yes	
	Output short-circuit		Yes	
	Chip over temperature		Yes	
	Input reverse connect		No, can customize	
Protection function	Output reverse connect		No, can customize	
	Automatic recovery		Yes	
	Water-proof		Yes	
	Quake-proof		Yes	
	Dust-proof		Yes	
	Protection level		IP67	
Environment	Working Temperature	°c	-40 ~+85	
	Working humidity	RH	< 90	
	Storage temperature	°c	-50~+ 90	
	Shell material		Aluminum alloy case	
Conoral	Sealed material		Heat organic silicone filled and sealed	
General	Dimension	mm	74*74*32	
	Weight	g	300	

# 3. Dimension





Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: <u>20150810</u> Version: <u>01</u> Date: <u>20170411</u> Page <u>17</u> of <u>18</u>



### 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 Black (-), reverse connect will will damage the using facility.
- 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 converter is Non-isolated one, if you look for the converter input voltage higher than output 40V, please select the isolated converter.
  - 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 pur chase.

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: <a href="mailto:services@charger-connector.com">services@charger-connector.com</a>, 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

Confidential Document of ADS Electronics Technology (DG) Co., LTD

Ref. No.: 20150810 Version: 01 Date: 20170411 Page 18 of 18