

■ Features

- Input: 12-24Vdc
- Protections: Short circuit/Overload/Over temperature
- O/P: High accuracy, low noise; hold up time $\geq 20\text{ms}$
- Cooling by free air convection; Auto recovery
- Operation temperature: 0°C to $+50^{\circ}\text{C}$
- 100% full load burn-in test for 4 hours
- High efficiency, high reliability
- Built-in Class B EMI filter
- Long life of 50,000 hours
- 1-year warranty
- Compliance to IEC60950



■ Application

- Car Charger

■ Model List

Model	Output Voltage	Output Current	Power
DCC012-S090-2	9V	1.35A	12W

■ Technical Data

Input Voltage	DC12-24V
Output Current	1.35A
Rated Power	12W
Ripple and Noise	$\leq 200\text{mV}$
Operating Temperature	-10°C to $+50^{\circ}\text{C}$
Storage Temperature	-10°C to $+60^{\circ}\text{C}$
Operating Humidity	$\leq 90\%$
Storage Humidity	5%-95%
Barometric Pressure	86kPa – 106kPa
Inspection Temperature	$25 \pm 2^{\circ}\text{C}$
No-load Current	$\leq 0.02\text{A}$
Operating Current	$\leq 2\text{A}$
No-load Power	$\leq 0.3\text{W}$
No-load voltage	DC8.4-9.6V
Loading voltage	DC8.4-9.6V
Output wire	2000mm +/-50mm, 2464 24AWG, DC 5.5x2.1x10
Indicator light	When powered on, the LED indicator lights up means the power supply is working

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■ **Technical Data(cont.)**

Drop Test	1m, Free fall; passed
Vibration Test	Frequency 10-50Hz, Amplitude 0.35mm, Scan each direction 10 times, no structural damage
Temperature Test	≤65°C

Notes:

1. All parameters are specified at 12Vdc input, rated load 25°C 70% RH ambient
2. Ripple and noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47uF capacitor
3. Tolerance: includes set up tolerance, line regulation and load regulation
4. Line regulation is measured from low line to high line from the rated load
5. The over temperature protection is the built in function of the control IC