

深圳市新为科技有限公司

PRODUCT SPECIFICATION

NAME: 8V TO 58V 5V2APOWER INVERTER

CODE: XW-0858-5-10W P/N:180663

XW-0858-5-10W 为非隔离型的 BUCK 电源转换器,采用进口高效率集成 IC 设计,体积小,安装方便,具有防尘、防水、防振的功能。适用于车载电源、设备电源等工业电源转换器的使用。该系列模块具有输入电压范围宽、体积小、高效率、重量轻、自然冷却、防水等特点。

XW-0858-5-10W is a non-isolation buck power inverter, use import and high efficient IC design, small volume, easy mount, have function of dustproof, waterproof and shockproof. It's suitable for vehicle power, equipment power, industrial power inverters and so on. This series' modules have characteristic of wide range input voltage, small volume, high efficient, light weight, natural cooling and waterproof.

1、电气特性 electrical characteristic

1.1 输入电压 Input voltage DC

最小 smallest	正常 normal	最大 largest
8V	12V24V36V48V	58V

1.2 输出特性 Output characteristic

1.2.1 输出电压 Output voltage DC

最小 smallest	正常 normal	最大 largest
4.8V	5V	5.2V

1.2.2 输出电流 Output current

正常 normal	2A
自适应 Self-adapt	2A 以下自适应 Lower than 2A self-adapt

1.2.3 输出纹波与噪音 Output ripple and noise

额定输出 rated output	纹波与噪音 Ripple and noise	带宽 Bandwidth
5V2A	80<mVp-p	20MHz

低功耗 **Low power consumption: 8.5mA**

功能保护：输入瞬间过压保护，输出短路保护，过热保护，输出过流保护

输入反接保护(可选，常规的无反接保护，如要加也可以，成本增加)

Function protection: Input moment's over-voltage protection, output short circuit protection, over-temperature protection, output over-current protection, input

reverse connection protection.

2、 工作环境测试 working temperature testing

2.1 环境温度 environmental temperature

2.1.1 工作温度 working temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$, 湿度 Humidity: 0~95%RH

2.1.2 存储温度 storage temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$, 湿度 Humidity: 0~95%RH

2.2 防水测试 : 符合防水等级 IPX-7。浸水通电工作实验, 带负载测试 60 分钟, 模块不发生故障。

Waterproof testing: meet waterproof grade IPX-7. Electric work experiment of water immersion with load test 60 minutes, module will not go wrong.

2.3 防尘测试 : 模块采用高等硅胶密封式灌胶保护, 保证内部电子元器件与外部环境隔绝, 符合防尘的要求。

Dustproof testing: module use high quality silicon seal protection, make sure inner electronic components to isolate outside environment, meet dustproof requirement.

2.3 防振测试 : 模块采用硅胶密封式灌胶保护, 保证内部电子元器件与外部环境隔绝, 符合国标 GB/T 2423.10 要求。

Shockproof testing: module use high quality silicon seal protection, make sure inner electronic components to isolate outside environment, meet the requirement of GB/T2423.10.

3、 连接线定义(无反接保护, 请认真接线)

Wire connection definition(without reverse connection protection, please

connect seriously)

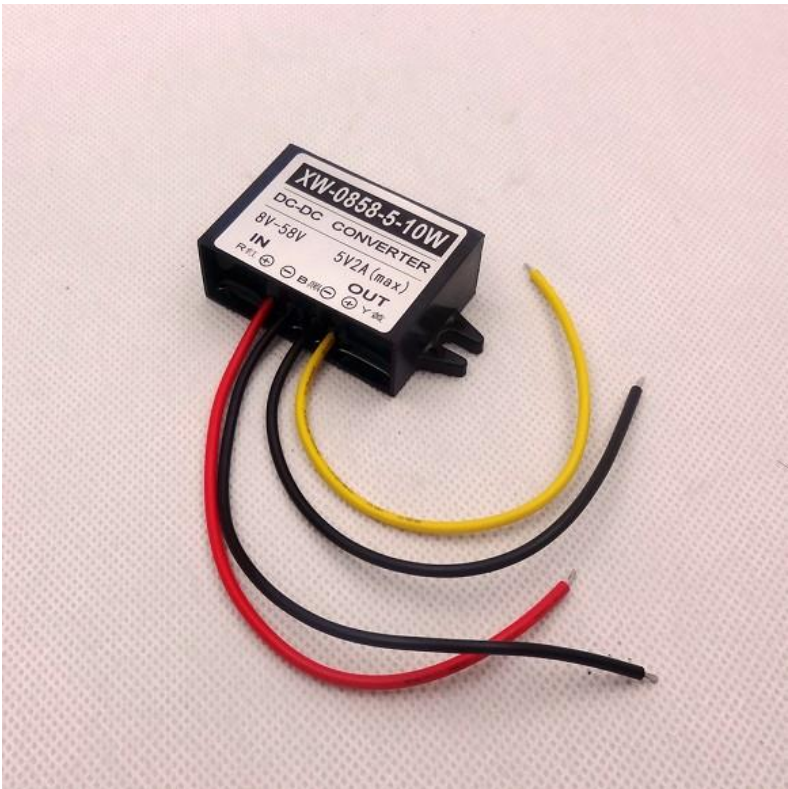
IN 输入	⊕ 红线：接输入的正极 red line: connect the anode of input
	⊖ 黑线：接输入的负极 black line: connect the cathode of input
OUT 输出	⊕ 黄线：接输出的正极 yellow line: connect the anode of output
	⊖ 黑线：接输出的负极 black line: connect the cathode of output

4、体积规格、重量、物理安装尺寸

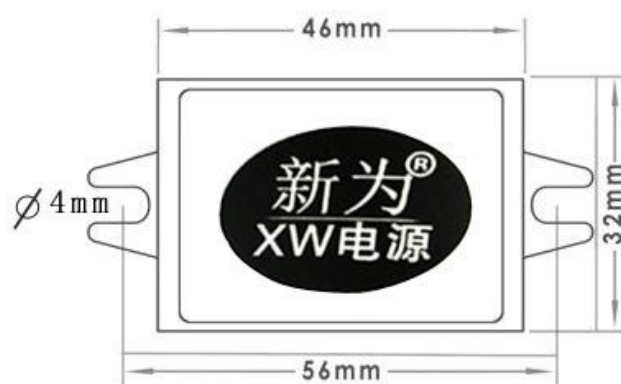
Volume, weight, physical installation size

体积规格 Volume: 46*32*18MM (length*width*height)

重量 Weight: 约 53 克/个 About 53g/pcs

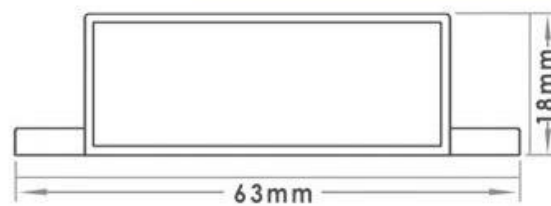


平面尺寸图纸



Front view

Length:46mm
Width:32mm
Height:18mm
Mount hole distance:56mm
Mount hole size:4mm



Lateral view

