

Introduction
产品概述

The product uses Inductive-Coupled Power Transmission technology to achieve 14 to 19mm wireless powering. The maximum output power can reach 24V/8A with 89% DC-to-DC efficiency @17mm. At the same time, it has FOD, OVP, OCP, OTP functions to ensure the safety of indoor & outdoor powering. It can be applied to the wireless powering robot, drone, etc.

本产品基于感应耦合电能传输技术实现14-19mm距离内的无线供电, 最大输出24V/8A, 充电效率89% @17mm。同时具有异物检测, 过压保护, 过流保护, 过温保护等功能, 确保室内及户外供电的安全性。可应用于机器人, 无人机等产品的无线供电。

Technical Parameter
功能参数

Power input	24V/10A	电源输入	24V/10A
Power output	24V/8A Max.	电源输出	24V/最高8A
Power input interface	2EDG5.08	接口类型	2EDG5.08
Efficiency	89% @ 17mm	充电效率	89% @ 17mm
Protection	FOD, OCP, OVP, OTP	保护	FOD, OCP, OVP, OTP
Standby power	0.5W Max.	待机功耗	0.5W Max.
Charging distance	14 to 19mm (coil to coil)	充电距离	14 - 19mm (线圈距离)
Transmitter dimension	PCBA: 80x80x22mm (L x W x H)	Tx发射端尺寸	控制板: 80x80x22mm (长 x 宽 x 高)
	Coil module: 80x80x7.5mm (L x W x H)		线圈模块: 80x80x7.5mm (长 x 宽 x 高)
Receiver dimension	PCBA: 80x80x22mm (L x W x H)	Rx接收端尺寸	控制板: 80x80x22mm (长 x 宽 x 高)
	Coil module: 80x80x7.5mm (L x W x H)		线圈模块: 80x80x7.5mm (长 x 宽 x 高)

Environment
工作环境

Operating temperature	-20 to 55°C (-4 to 131°F)	工作温度	-20 - 55°C
Storage temperature	-20 to 70°C (-4 to 158°F)	储存温度	-20 - 70°C
Operating humidity	15 to 85% RH (Non-dewing)	工作湿度	15 - 85% RH (无结露)
Storage humidity	5 to 95% RH (Non-dewing)	储存湿度	5 - 95% RH (无结露)

