

Introduction
产品概述

The product uses Inductive-Coupled Power Transmission technology to achieve 25 to 35mm wireless charging. The maximum output power can reach 54.2V/15A with 93% DC-to-DC efficiency @30mm. At the same time, it has FOD, OVP, OCP, OTP functions to ensure the safety of indoor & outdoor charging. It can be applied to the wireless charging humanoid, robotics, etc.

本产品基于感应耦合电能传输技术实现25-35mm距离内的无线充电，最大输出54.2V/15A，充电效率93% @30mm。同时具有异物检测，过压保护，过流保护，过温保护等功能，确保室内及户外充电的安全性。可应用于机器人，人形机器人等产品的无线充电。

Technical Parameter
功能参数

Power input	DC 48V/20A	电源输入	DC48V/20A
Power output	DC 54.2V/15A (800W Max.)	电源输出	DC54.2V/最高15A
Misalignment	± 15mm	偏移	± 15mm
Efficiency	93% @ 30mm	充电效率	93% @ 30mm
Protection	FOD, OCP, OVP, OTP	保护	FOD, OCP, OVP, OTP
Standby power	1W Max.	待机功耗	1W Max.
Charging distance	25 to 35mm (coil to coil)	充电距离	25 - 35mm (线圈距离)
Transmitter dimension	PCBA: 130x130x26mm (Lx W x H)	Tx发射端尺寸	控制板: 130x130x26mm (长 x 宽 x 高)
	Coil module: 140 x 135 x 6mm (L x W x H)		线圈模块: 140 x 135 x 6mm (长 x 宽 x 高)
Receiver dimension	PCBA: 130x130 x23mm (L x W x H)	Rx接收端尺寸	控制板: 130x130 x23mm (长 x 宽 x 高)
	Coil module: 140 x135 x 6mm (L x W x H)		线圈模块: 140 x135 x 6mm (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	-40 to 70°C (-40 to 158°F)	储存温度	-40 - 70°C
Operating humidity	15 to 85% RH (Non-dewling)	工作湿度	15 - 85% RH (无结露)
Storage humidity	5 to 95% RH (Non-dewling)	储存湿度	5 - 95% RH (无结露)

