

Introduction

产品概述

The product uses Inductive-Coupled Power Transmission technology to achieve 15 to 35mm wireless charging. The maximum output power can reach 21V/3A (or customizable) with 91% DC-to-DC efficiency @25mm. At the same time, it has FOD, OVP, OCP, OTP functions to ensure the safety of indoor & outdoor charging or power transfer.

本产品基于感应耦合电能传输技术实现15-35mm距离内的无线充电，最大输出21V/3A（或定制），充电效率91% @ 25mm。同时具有异物检测，过压保护，过流保护，过温保护等功能，确保户内及户外充电（供电）的安全性。

Technical Data

功能参数

Power input	24V/4A	电源输入	24V/4A
Power output	21V/3A (or customizable)	电源输出	21V/3A (可定制)
Power input interface	Customizable	接口类型	可定制
Efficiency	91% @ 25mm	充电效率	91% @ 25mm
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	15 to 35mm	充电距离	15 - 35mm
Transmitter dimension	PCBA: 90 x 90 x 18mm (L x W x H)	Tx发射端尺寸	控制板: 90 x 90 x 18mm (长 x 宽 x 高)
	Coil module: 100 x 100 x 5.5mm (L x W x H)		线圈模块: 100 x 100 x 5.5mm (长 x 宽 x 高)
Receiver dimension	PCBA: 90 x 90 x 18mm (L x W x H)	Rx接收端尺寸	控制板: 90 x 90 x 18mm (长 x 宽 x 高)
	Coil module: 100 x 100 x 5.5mm (L x W x H)		线圈模块: 100 x 100 x 5.5mm (长 x 宽 x 高)

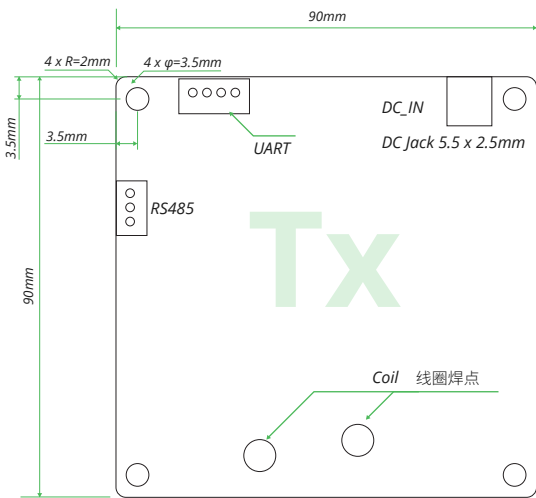
Environment

工作环境

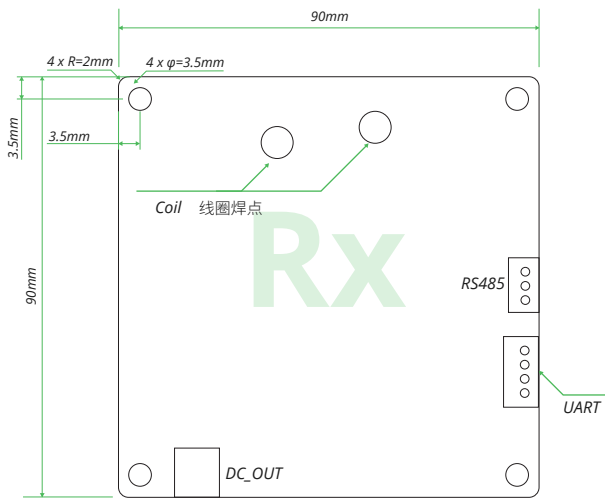
Operating temperature	-20 to 55°C (-4 to 131°F)	工作温度	-20 - 55°C
Storage temperature	-20 to 70°C (-4 to 158°F)	储藏温度	-20 - 70°C
Operating humidity	15 to 85% RH (Non-dewing)	工作湿度	15 - 85% RH (无结露)
Storage humidity	5 to 95% RH (Non-dewing)	储藏湿度	5 - 95% RH (无结露)

Dimension

尺寸信息



Tx PCBA: 90 x 90 x 18mm (L x W x H)
PCB component height: 12mm
PCB thickness: 1.6mm
PCB back component height: 3mm
Tx发射端PCB: 90 x 90 x 18 mm (长 x 宽 x 高)
PCB 元件面高度: 12mm
PCB厚度: 1.6mm
PCB背面元件面高度: 3mm



Rx PCBA: 90 x 90 x 18mm (L x W x H)
PCB component height: 12mm
PCB thickness: 1.6mm
PCB back component height: 3mm
Rx接收端PCB: 90x 90 x 18 mm (长 x 宽 x 高)
PCB 元件面高度: 12mm
PCB厚度: 1.6mm
PCB背面元件面高度: 3mm