

# Ball Charger Manufacturing Description

1st July 2022

## DESCRIPTION

The Ball Charger is a long distance (8 to 18mm) Qi charger encased in a shell that is tuned to charge the Qi receivers in soccer and hand balls. The charger is made up of 4 parts and fastened together with screws. It needs to be paired with a QC3.0 USB wall plug to work properly.

## PARTS

1. Hopepower Qi charger model HS-0335 (see Electronic Specs section)
2. Injected bottom plate (see Mechanical Specs section)
3. Injected top plate (see Mechanical Specs section)
4. Injected light pipe (see Mechanical Specs section)
5. Fastening screws - Torx screw x4 (see Mechanical Specs section)

## ELECTRONIC SPECIFICATIONS

### Ball Wireless Charger

Model: HS-0335

Input: 5V2.0A, 9V/1.2A

Wireless Charging Output: 5W/7.5W/10W

Transmitting Distance: 8-18 mm (MAX)

PCB: ZONECHARGE HK21E1-TX1.2

## LED FUNCTIONALITY

Plug in/power up: LED solid green

Charging: LED pulsing green

Foreign Object Detection (FOD): LED pulsing green quickly

Finished Charging: LED returns to solid green

## REQUIRED POWER ADAPTER - NOT INCLUDED

QC3.0 USB Type A adapter