

# Dock Charger

## Summarization:

The dock has two battery charging ports, in same time, it can give two batteries charging. Both the dock ports no current-sharing control. Charging power supply is a T1 charger that connects the dock with 6 PIN connector.

### 1、INPUT CHARACTERISTICS:

#### 1.1 Input Charge Voltage:

Voltage Range: DC 0~54.6V

#### 1.2 Input Charge Current:

Current Range: DC 0~2.7A

#### 1.3 Input Port Pin Define:

The input connector is 6 PIN, and the PIN names are P+, P-(GND), 485A, 485B ID and 485\_3V3.

The P+ is main power for charging, and charging cut-off Voltage is 54.6V.

the 485\_3V3 is auxiliary source, and the voltage range is from 3.2V to 3.4V, and it can support 100mA.

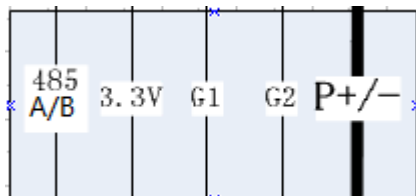
## 2、 OUTPUT CHARACTERISTICS:

### 2.1 functional description:

1) The follow is dock picture:



2) dock pin define of output ports:



3) There are two output port in every dock, and every output port has a P-MOS, That can cut off power.

P-MOS work mode description:

- (1) No battery in the port, The P-MOS is off.
- (2) When there is a battery in the port, the related P-MOS will be on and the battery will be charged.

### 2.3 LED Indication Requirements:

- 1) Every port has a LED, the LED is double colour, that is red and green;
- 2) When there is no battery in the port, the LED is off. When there is a battery in the port, the LED is on.

The LED is red when battery is charged, the LED is green when battery is full.

### **3、 Environment Requirements:**

#### **3.1 Operating Temperature and Relative Humidity**

Temperature: -20~60°C

Humidity: 10%RH ~ 90%RH

#### **3.2 Storage Temperature and Relative Humidity**

Storage Temperature :-20°C to +85°C

Storage Humidity: 5%RH to95%RH

#### **3.3 Temperature of Charger Case**

Temperature rise of case  $\leq 30^{\circ}\text{C}$

**FCC Caution:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## **IC Caution:**

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.