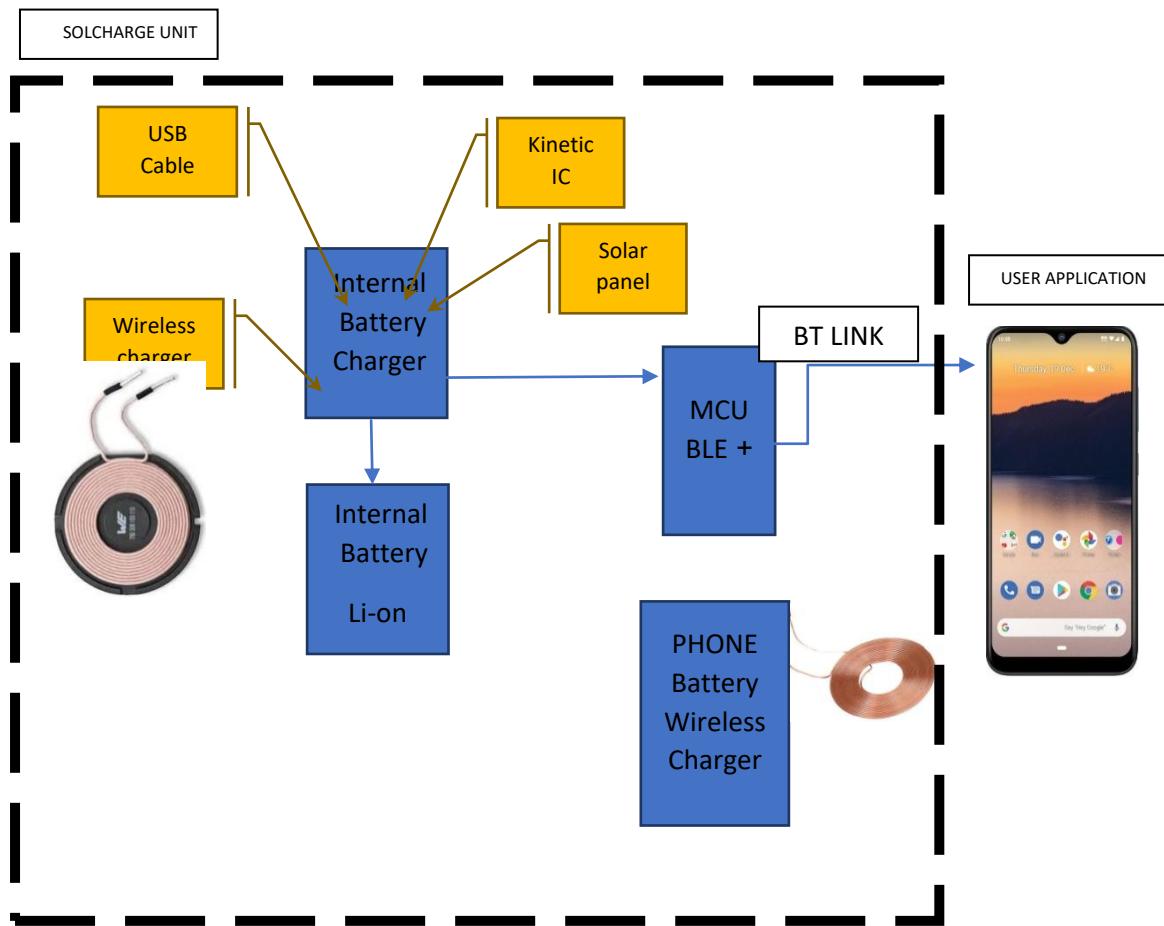


SolCharge User Manual V100:



## 1. Unit Block diagram:



## **2. Product brief:**

- 2.1. The user can charge the internal battery with several types of charging:
  - USB cable.
  - Wireless.
  - Solar panel.
  - Kenti.
- 2.2. Charging the mobile phone by attaching the charger to the phone with the wireless charging.
- 2.3. Connection to the mobile phone in BT communication for information on charging the internal battery and additional information.

## **3. How the product works:**

- 3.1. When you turn on the product, it will charge the mobile phone with the wirelesscharger from the internal battery.
- 3.2. The user will be able to connect to a dedicated application in BT communication for the product for the purpose of receiving information.
- 3.3. While charging the sun, a permanent light will come on - as with other charges, both when the device is on and off.**
- 3.4. Automatic selection of charging source.**

## **4. Product Specification:**

- 4.1. BLE 2.4GHz
- 4.2. TI BLE chip- CC2640
- 4.3. BLE Power: 0 dBm
- 4.4. BLE ANT Power: 3 dBm
- 4.5. Battery: Lithium ion rechargeable battery 3.7V3000mAh
- 4.6. Operation Temperature: 0°C ~ +60°C
- 4.7. Weight: 200g
- 4.8. Dimensions: 120x60x15mm

## 5. Product Power rating:

### 5.1. Charge power consumption:

		Volt (v)	Current (mA)	Power (W)
USB	In	5	1000	5
Receive	In	5	1000	5
Solar	In	5	200	1
Transmit	Out	5	800	4

## 6. Unit Battery Charging:

The unit will come with fully charged batteries and it is supposed to be ok for 2 hours working.

In any case of low battery, it is easy to charge the product by connecting the type C USB to the product USB port.



*USB Type C Connection*



**7. Phone charging (with wireless charging option):**

- To charge the phone, Place the phone on the charger for wireless charging.
- Turn on the charger unit by pressing the On\Off button.

**8. Phone charging (without wireless charging option):**

- To charge the phone, connect the wireless adapter to the phone.
- Turn on the charger unit by pressing the On\Off button.
- Place the adapter on the charger for wireless charging.



**9. Wireless charger photos:**



## User Manual warnings

### Part 18 Warnings

*For devices approved under Part 18, information on the following shall be provided to the user in the instruction manual, or on the packaging if an instruction manual is not provided (Section 18.213) For devices approved under Part 18, information on the following shall be provided to the user in the instruction manual, or on the packaging if an instruction manual is not provided (Section 18.213)*

- The interference potential of the device or system.
- Maintenance of the system.
- Simple measures that can be taken by the user to correct interference.
- For RF lighting devices, provide an advisory statement, either on the product packaging or with other user documentation, similar to the following:

“This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30 MHz.

“Variations of this language are permitted provided all the points of the statement are addressed, and may be presented in any legible font or text style.

## Modification statements

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.

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.

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

This device compliance with FCC radiation exposure limits set forth for an uncontrolled environment