Overview

1. Purpose

The Rack Charger is provided to every classroom as part of the Early Digital Learning Programme. The purpose of the Rack Charger is to charge the Tablets (Learners Devices). The Rack Charger is connected to the main power source available in the classroom and the charging time is controlled by an in-built Timer.





NOTE: The Rack Charger shall be operated by the educator / authorized person only. The Rack Charger shall be strictly used for charging the Tablets.

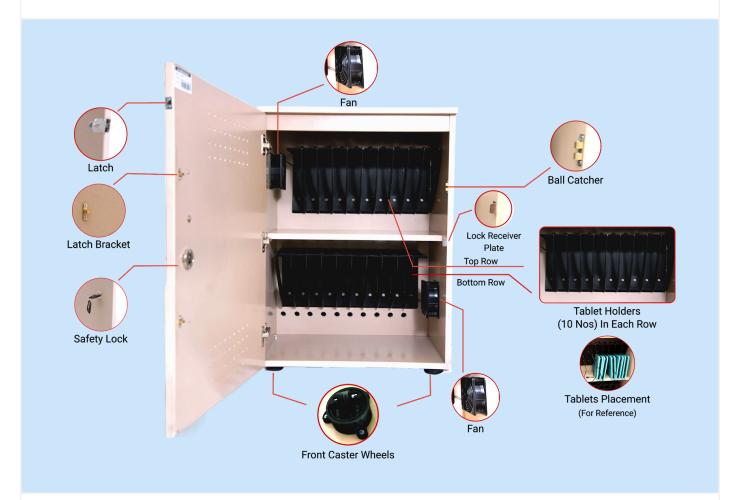


2. Components

The Rack Charger is divided into Two (02) compartments i.e.

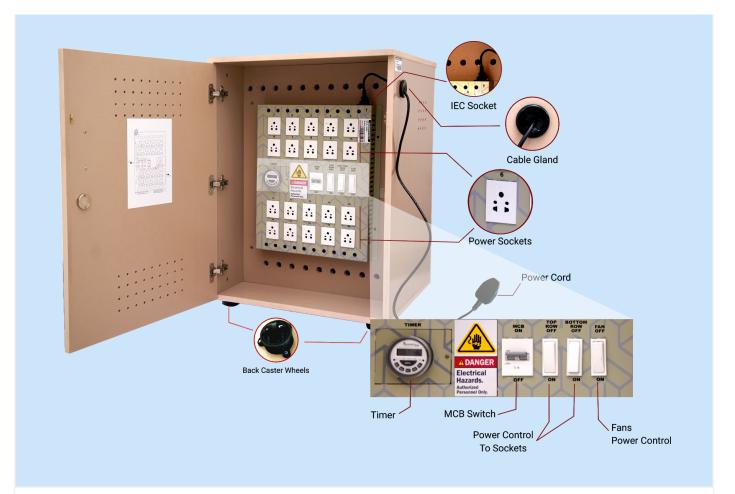
- a. Tablet Charging Compartment
- b. Power Control Compartment

Both the compartments have access doors with safety locks.



- a. Tablet Charging Compartment Components in the Tablet Charging Compartment:
 - 1. Tablet Holders: 10 Nos in each row, a total of 20 Tablets can be accommodated simultaneously for charging
 - 2. Fans: Two fans (one in each row) for circulating air to keep inside temperature in control
 - 3. Safety Locks: For ensuring safety of Students and securing the Tablets
 - 4. Ball Catcher: For retaining the door alignment and to hold the door
 - 5. Latch: for additional security to lock the door with Padlock
 - 6. Lock Receiver Plate for holding lock
 - 7. Front Caster Wheels (2 Nos) to support movement of Rack Charger





b. Power Control Compartment Components in the Power Control Compartment

- 1. Power Cord: To connect the Rack Charger to the main power source
- 2. MCB: To protect the device from power surge
- 3. Timer: To operate charging activity during preset working hours
- 4. Power Sockets: 20 nos for every adaptor in the charging compartment, each power socket is numbered in serial for reference purpose
- 5. Adaptors with USB Cable Connectors: To connect with Tablets
- 6. Back Caster Wheels (2 Nos) to support movement of Rack Charger
- 7. Power Switches: For Fans, Adaptors power supply



ALERT: The Rack Charger components are directly connected to the power source. Do not access Rack Charger without proper authorization. While handling the Rack Charger maintain the best safety measures for Human and Machine safety.

