

# PowerVault

Smart Integrated Mobile Charging & Storage Solution



## Overview

The **CP40** is a premium, all-in-one mobile charging solution designed for modern educational and corporate environments. It combines high-speed charging, advanced security, and smart environmental monitoring into a single, sleek mobile unit.

## Power Management with Smart Charging Solutions

### Auto Recognition

Auto detection and zero output idle

### Adaptive Charging

Automatic voltage & current adjustment

### Load Balancing

Balances the power load across all devices

### Device Safeguard

Built-in overcurrent protection

## Features

- Connectivity: WiFi IEEE 802.11 b/g/n 2.4 GHz
- Smart ventilation and cooling system for optimum temperature
- Temperature Sensor System: Temperature Detection range:  $-20^{\circ}\text{C}$  to  $80^{\circ}\text{C}$
- Support querying temperature & humidity data



## Safety Features

- Soft start
- Overvoltage
- Overcurrent
- Short circuit DP/DM/CC
- Over-temperature NTC protection



### Power Modular System

Support a modular power supply design, allowing any faulty module to be replaced independently without disrupting the overall system operation, ensuring continuous device charging at all times.



### Eco-Friendly Efficiency

High-efficiency charging protocols ensure minimal energy waste while maximizing battery health for your tablets.



### Global Compliance

Manufactured under strict quality standards with certifications including IECEE, SIRIM, ST-COA

## Technical Specifications

| Features           | Specification                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------|
| Model              | CP40                                                                                              |
| Charging Ports     | 40 x port Type-C fast charging                                                                    |
| Output per Port    | 20W (fast charging)                                                                               |
| Charging layout    | 2 racks x 20 ports Type-C, built-in cable management                                              |
| Input power        | 220-240V~, 50/60 Hz, 13A                                                                          |
| Material           | Cold-rolled steel frame 100% and flexible ABS slot                                                |
| Charging Indicator | Red: Power ON / Ready → Blue: Charging in Progress → Red: Charging Complete → OFF: Power turn-off |
| Mobility           | Four (4) Heavy duty wheels, two (2) brake lock                                                    |
| Dimension          | 680 × 460 × 1040 mm;                                                                              |
| Weight             | 78 kg                                                                                             |



**40x**

Type-C Fast  
Charging Port



**20W**

Fast Charging  
per Port



**Advanced**

Safety  
Protection



**Smart**

Smart Charging  
Solutions



CP40 Mobile Charging Cart



\*\* Images are for illustration purposes only. Actual product may vary.

