

● 產品介紹 Introduction of products ●

TAIWAY

USB Wall Sockets – Charge in Every Room

TAIWAY USB Wall Sockets with integrated charging ports provide a smarter and more efficient way to power your devices. Designed for **convenience, speed, and safety**, they free up traditional outlets while delivering reliable charging performance for both residential and commercial environments.

- **Enhanced Safety** – Built-in overcurrent protection safeguards devices from overcharging and overheating, while tamper-resistant outlets prevent accidental insertion of foreign objects.
- **Fast Charging** – Intelligent smart chip automatically detects and optimises power delivery, charging devices up to **50% in just 30 minutes**.
- **Commercial-Grade Quality** – Engineered to meet **residential and commercial standards**, ensuring durability and long-term reliability.
- **Sustainable Design** – Forward-thinking, eco-friendly construction blends **style, function, and sustainability**, aligning with future energy-saving needs.



USB Wall Outlet with Vertical Dual Type C High PD | Product Specification

Feature	Details
Charging Power	- Up to 60W on a single port (PD-enabled device) - Up to 30W per port (60W total) when both ports are in use
Maximum Outputs	5V/3A, 9V/3A, 15V/3A, 20V/3A (max 60W)
Charging Protocols	PD 3.0, BC 1.2, Apple Mode (2.4A)
Enhanced Circuit Protection (Built-in Circuit Protection)	OCP (Overcurrent Protection) OVP (Overvoltage Protection) OTP (Overtemperature Protection)OPP (Over Power Protection)SCP (Short Circuit Protection)
Operating Conditions	Ambient Temperature: -10°C ~ +40°C / Relative Humidity: 10% ~ 95%
Safety Regulations	CB, BSMI, PSE, IEC 62368
Customization	- Wall box dimensions customizable (MOQ: 100 pcs/order)- Wall plate colors: White & Black



60W USB Wall Socket with Vertical Dual Type A+C High PD | Product Highlight

Feature	Description
Powerful Charging	Up to 60W PD fast charging (USB-C up to 45W, USB-A up to 12W when both in use)
Multi-Protocol Support	Compatible with PD 3.0, BC 1.2, Apple 2.4A
Universal Outputs	1 AC outlet + USB-C (5V–20V) + USB-A (5V/2.4A)
Comprehensive Safety	OCP, OVP, OTP, OPP, SCP protections
Durable & Safe	UL 94 V-0 fire rating; CB, BSMI, PSE, IEC 62368 certified
Flexible Design	Customizable wall box dimensions (MOQ 100 pcs)
Modern Aesthetic	Available in White & Silver-Gray finishes



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TAIWAY ELECTRONICS COMPONENTS CO., LTD



20W USB Wall Socket

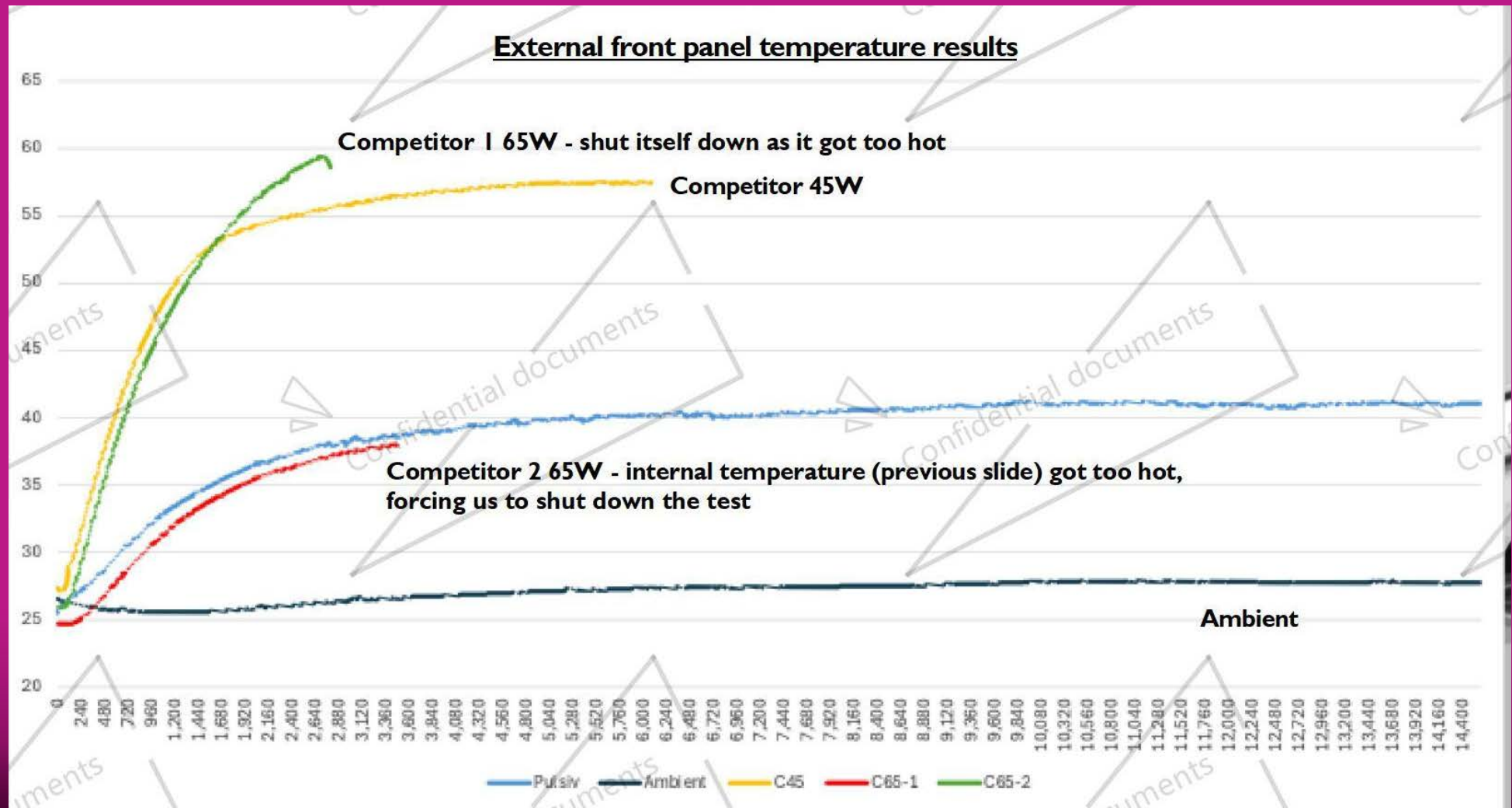
Marketing Highlights

- ⚡ Fast PD Charging – Supports PD 3.0 with up to 20W output for quick charging (0–50% in 30 minutes).
- 🔒 5-in-1 Protection – Built-in OCP, OVP, OTP, OPP, SCP safeguards your devices from overcurrent, overheating, and short circuit.
- 🎨 Stylish & Customisable – Available in White or Silver Grey; wall box dimensions can be tailored (MOQ 100 pcs).
- 🌐 Certified Safety – Meets CB, BSMI, PSE, and IEC 62368 standards with flame-retardant materials rated UL 94 V-0.



65W USB-C Performance Test

- **Test Setup:** Sealed box, EU wall socket, no airflow
- **Scope:** Efficiency, temperature rise, EMC, dimensions & pre-order
- **Key Highlights:**
 - High efficiency, stable output
 - Controlled temperature, enhanced safety
 - EMC compliance ensures reliability
 - Compact design for versatile applications



Competitor Comparison – Temperature Test

Focus: Front panel surface temperature curves

Competitors Tested: 65W / 45W / 25W models

Results:

65W competitor: shut down due to overheating

45W competitor: stable but higher casing temperature

Our product: significantly lower panel temperature → safer & more durable

