# Single Port GaN 100W Charger Level V I Class II External — EN62368

## ◆ Description:

The XJK Single-Port GaN 100W Charger (Model XJKGaN100WS) is a Class II external AC-DC power adapter, compliant with EN62368-1 and designed to meet Level VI energy efficiency standards. Using advanced GaN technology, it provides compact, reliable, and efficient power conversion with low standby power consumption (<0.15W).

## ◆Featues:

- Advanced GaN technology for higher power density and improved thermal performance
- Class II double insulation, no ground needed
- Compact and lightweight design
- Low standby power consumption (<0.15W)

## ◆Application

- Laptops, smartphones, tablets, and other consumer electronics
- Telecommunication and networking products
- IoT and embedded devices
- Industrial devices requiring safe and efficient power supply

## ◆ Specification

| Overview | | | | |
|---|---|---|---|---|
| Model | | XJKGaN100WS | | |
| Charging Form Factor | | Wall Charger / Direct Plug-In | | |
| Product Type | | GaN 100W Fast Charger | | |
| Technology | | USB-C PD3.0 / QC3.0 / PPS / GaN | | |
| Max Power | | 100W | | |
| Input | | | | |
| Input Voltage | | 100-240V~ 50/60Hz | | |
| Power Factor | | ⩾ 0.9 | | |
| Output | | | | |
| Port | Voltage | Current | Power | Protocol |
| USB-C | 5V / 9V / 12V / 20V | 3A / 3A / 3A / 5A | 100W Max | PD3.0/ PPS |
| Electrical Performance | | | | |
| Efficiency | | ⩾90% (230Vac, full load) | | |
| Standby Power | | <0.3W (115Vac & 230Vac) | | |
| Ripple & Noise | | <200mVp-p (20MHz bandwidth, with 0.1uF & 47uF capacitors) | | |
| Load Regulation | | ±5% | | |
| Line Regulation | | ±2% | | |
| Turn-on Delay Time | | <3s @115Vac, full load | | |
| Dynamic Response | | ±8% @ 50% load step change | | |
| Rise Time | | <100ms | | |
| Safety & Protection | | | | |
| Over Voltage Protection | | Built-in over-voltage protection | | |

| | |
|---|---|
| Over Current Protection | Built-in over-current protection |
| Short Circuit Protection | Built-in short-circuit protection |
| Over Temperature Protection | Over-temperature protection: automatic power reduction or shutdown |
| Certification | CE, FCC |
| **Mechanical Specifications** | |
| Dimensions | 77*30*62mm |
| Weight | 208.04g |
| **Environmental Specifications** | |
| Operating Temperature Range | 0° to 40° C |
| Storage Temperature Range | -20° to 85° C |
| Operating Humidity Range | 20 to 90 % RH, Non-Condensing |
| Storage Humidity Range | 5 to 90 % RH, Non-Condensing |