

**Multi-Port GaN 45W Charger****Level V I Class II External —****EN62368****◆ Description:**

The XJK Multi-Port GaN 45W Charger (Model XJKGaN45WM) 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).

◆ Features:

- Advanced GaN technology for higher power density and improved thermal performance
- Multi-port design with flexible power distribution
- 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		XJKGaN45WM		
Charging Form Factor		Wall Charger / Direct Plug-In		
Product Type		GaN 45W Fast Charger		
Technology		USB-C PD3.0 / QC3.0 / PPS / GaN		
Max Power		45W		
Input				
Input Voltage		100-240V~ 50/60Hz		
Power Factor		≥ 0.9		
Output				
Port	Voltage	Current	Power	Protocol
USB-A	5V / 9V / 10V/ 12V	3A / 2A / 2A / 1.5A	18W Max	QC3.0
USB-C	5V / 9V / 15V / 20V	3A / 3A / 3A / 2.5A	50W 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	50*30*52mm
Weight	87g
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