



Multi-Port GaN 100W Charger Level V I Class II External — EN62368

















Description:

The XJK Multi-Port GaN 100W Charger (Model XJKGaN100WM) 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
- Multi-port design with flexible power distribution
- Class II double insulation, no ground needed
- Compact and lightweight design
- Low standby power consumption (<0.15W)

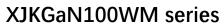
Application

- 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		XJKGaN100WM			
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-A	5V / 9V / 12V / 20V	3A / 3A / 3A / 3A	60W Max	QC3.0	
USB-C1	5V / 9V / 12V / 20V	3A / 3A / 3A / 5A	100W Max	PD3.0/ PPS	
USB-C2	5V / 9V / 12V / 20V	3A / 3A / 3A / 5A	100W Max	PD3.0 / PPS	
USB-C3	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			