

NexSys 140 W is an **Ultra-compact,**
Light-weight USB PD 3.1 Fast Charger
Powered by **NexGen Vertical GaN®**

Designed to power laptops, tablets, smartphones and wearables
with universal AC input voltage range of 100-240Vac



USB PD 3.1
140W

Features

- Maximum Output Power: 140 W
- Input Voltage: 100-240V
- Continuous full power output across all loads and input voltages
- 93% efficiency at 115Vac full load
- USB PD 3.1 Compliant
 - Standard Power Range (SPR): 5V/3A, 9V/3A, 15V/3A, 20V/5A
 - Extended Power Range (EPR): 28V/5A
- Over-voltage, over-current, over-temperature, and short-circuit protection
- Dimensions: 68mm x 66mm x 30mm
- Weight: 0.42 lbs.
- Meets regulatory standards and certifications

17W/in³
Power Density

94%
Peak Efficiency

USB PD 3.1
EPR: 28V / 5A

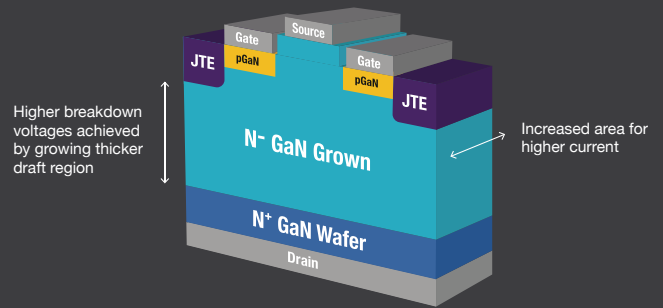


www.nexgenpowersystems.com/nexsys140w

NEXGEN
POWER SYSTEMS

Next-generation PSUs require a next generation technology

NexGen Vertical GaN® technology at the core



Leveraging NexGen Vertical GaN's lower conduction and switching losses, the NexSys 140W delivers the highest efficiencies in an ultra-compact form factor. From 5 W to 140 W, whether it is a wearable or a laptop, the NexSys 140W is the solution for fast and efficient charging of devices.

NexGen Vertical GaN: Powering the NexSys 140W with a new benchmark in power electronics:

- Smallest die-size and inherently robust with best-in-class performance
- Manufactured in NexGen's state-of-the-art Fab in Syracuse, NY

www.nexgenpowersystems.com

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Founded in 2017, NexGen Power Systems is revolutionizing power electronics with technology solutions utilizing GaN-on-GaN (NexGen Vertical GaN®) discrete semiconductor devices that increase efficiency and reliability of power conversion systems while dramatically reducing their cost, size, and weight. Our vision is to enable the smallest, lightest, most cost-effective power conversion systems in the world.

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