

SP140WP2PDG GaN Desktop Series

GaN USB-PD Desktop



90-140W 1× USB-C

Highlights:

- ✓ 90-140W 1× USB-C
- ✓ USB Power Delivery | Gallium Nitride (GaN) Design
- ✓ USB-C: 5V, 9V, 12V, 15V, 20V, 28V
- ✓ C8 AC input
- ✓ RoHS, REACH, DoE VI, CoC v5 Tier 2 compliant
- ✓ Certified: UL/CUL|CE|PSE|CCC
- ✓ 3 Year Warranty
- ✓ Can be modified or customized for an exact fit solution

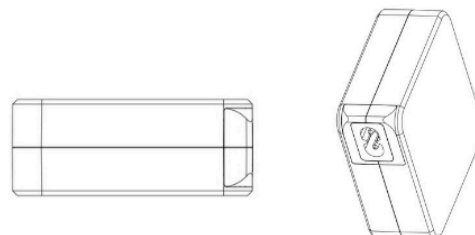
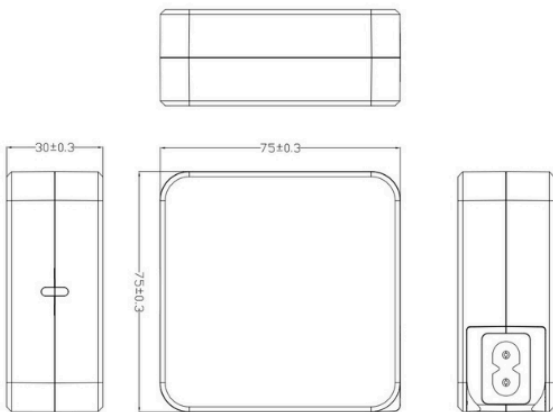


Output voltage and current

Port Type	Output Voltage and Current:	Output Power:
USB-C (1)	5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 4.5A	90W
USB-C (1)	5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 5A	100W
USB-C (1)	5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 6A	120W
USB-C (1)	5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 6.5A	130W
USB-C (1)	5V @ 3A, 9V @ 3A, 12V @ 3A, 15V @ 3A, 20V @ 5A, 28V @ 5A	140W

Electrical Characteristics

Charging Protocols:	90W/100W/120W/130W: PD3.0, PPS; 140W: PD3.0 3.1 3.2, PPS, AVS, QC, UFCS
Input Voltage & Frequency:	90 - 264 (47 - 63 Hz)
Input Current:	2.5 A Max
Leakage Current:	Class I: 3.5mA Max. Class II: 0.25mA Max.
Ripple & Noise (Pk-Pk):	1% of O/P voltage
Operating Temperature:	-20°C to +40°C
Efficiency:	DoE Level VI and CoC v5 Tier 2 Criteria
Withstanding Voltage:	Input to Output: 3000 VAC
Mean Time Between Failure (MTBF):	100,000 Hrs Min. (Telcordia SR-332)
Protections:	Short Circuit Protection, Over-voltage Protection, Over-current Protection, Over-temperature Protection
Industry Compliance:	Directive (EU) 2015/863 (RoHS 3), REACH, DoE VI, EC:2019/1782, CoC v5 Tier 2
EMI/EMC Requirements:	FCC Part 15 Class B, EN 55032 Class B, AS/NZS CISPR-32 Class B, J55032(H29), ICES-003, EN 55035, EN/IEC 61000-3-2, -3-3, GB 17625.1-2022
Safety Compliance:	UL/CSA:62368(Ed.3), EN:62368(Ed.3), J:62368(Ed.3), GB:4943.1-2022



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