

# Ion+ Platinum

The power of silence.

The Ion+ Platinum is a high-performance fully modular PSU with whisper-quiet operation, enhanced cable flexibility and superior output quality.

A user selectable semi-passive Zero RPM mode maintains pure silence under light loads, and the custom-tailored 140mm fan with FDB bearings barely breaks a whisper under heavy use. Revolutionary UltraFlex cable with its ultra-high strand count wire and special insulation bends and twists effortlessly to make installation and cable-routing a breeze.

Ion+ is available now in 560, 660, 760 and 860 watt capacities, all with 80PLUS® Platinum Efficiency, 10-year warranty, and a full electrical protection suite for your peace of mind.





# P r o d u c t S h e e t

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## Key features

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- Fractal Design UltraFlex DC wires have game-changing flexibility for effortless cable-routing and connectors that twist and bend to fit your installation—not fight it
- Equipped with a custom-tailored Fractal Design Dynamic Series 140 mm fan with exceptionally low minimum speed and true long-life FDB bearing
- 80PLUS® Platinum Efficiency for optimized electrical performance and reduced heat generation
- User selectable Zero RPM mode allows for either silent, passive operation in low load situations or continuous low speed fan operation for additional cooling
- Outstanding output quality with tight voltage regulation and extremely low noise and ripple
- Fully modular design for reduced clutter and maximum ease of installation
- Premium Japanese 105° C capacitors provide enhanced reliability and durability
- Compact 150 mm depth easily fits compact spaces with extra headroom for cable management
- Over Power Protection, Over Voltage Protection, Short Circuit Protection, Under Voltage Protection, Over Current Protection and Over Temperature Protection
- Extra-long 600 mm 24-pin ATX cable and 700 mm 4+4 pin cable
- Extensive 10 year warranty

## General specifications

### Specification

80PLUS® Certification	<ul style="list-style-type: none"> <li>• Platinum</li> </ul>
Modular cables	<ul style="list-style-type: none"> <li>• Fully modular</li> </ul>
Fan type	<ul style="list-style-type: none"> <li>• Customized 140 mm FDB bearing Fractal Design Dynamic Series fan</li> </ul>
Maximum operating temperature (full load)	<ul style="list-style-type: none"> <li>• 50° C</li> </ul>
Semi-passive operation	<ul style="list-style-type: none"> <li>• Yes, user selectable (Zero RPM)</li> </ul>
Capacitors	<ul style="list-style-type: none"> <li>• Japanese</li> </ul>
Life expectancy (MTBF) at max output load	<ul style="list-style-type: none"> <li>• 100,000 hours</li> </ul>
PSU specification compliance	<ul style="list-style-type: none"> <li>• ATX12V 2.4 ; EPS12V 2.92</li> </ul>
Cable type	<ul style="list-style-type: none"> <li>• Modular 24-pin: Braided sleeve UltraFlex wire</li> <li>• Others: Flat UltraFlex wire</li> </ul>
PSU Color	<ul style="list-style-type: none"> <li>• Black/Gunmetal</li> </ul>
Cable Color	<ul style="list-style-type: none"> <li>• Black</li> </ul>
Protection features	<ul style="list-style-type: none"> <li>• Over voltage protection</li> <li>• Under voltage protection</li> <li>• Over power protection</li> <li>• Short circuit protection</li> <li>• Over current protection</li> <li>• Over temperature protection</li> </ul>
Input voltage	<ul style="list-style-type: none"> <li>• 100-240V AC</li> </ul>
Input frequency	<ul style="list-style-type: none"> <li>• 50-60 Hz</li> </ul>
Input current	<ul style="list-style-type: none"> <li>• 10A/5A</li> </ul>

## General specifications

### Specification

Number of 12V rails	• 1
Standby efficiency	• ErP 2013 (<0.45W @230 • VAC, 45 mA load on +5Vsb)
Sleep State Compliance	• C6/C7
Approvals & Certifications	• CE, FCC, TUV, cTUVus, EAC, RCM, CCC, BSMI, CB, RoHS, WEEE
Unit dimensions (LxWxH)	• 150 x 150 x 86 mm
Net weight (unit only)	• 1.61 kg (560P/660P) / 1.665 kg (760P/860P)
Package dimensions (LxWxH)	• 325 x 110 x 210 mm
Package weight	• 2.6 kg (560P) / 2.65 kg (660P) / 2.975 kg (760P/860P)
Warranty	• 10 Years

## Connectors

	• Ion+ 560P	• Ion+ 660P	• Ion+ 760P	• Ion+ 860P
ATX	• 1	• 1	• 1	• 1
EPS/ATX 12V	• 1	• 1	• 2	• 2
PCIe	• 4	• 4	• 6	• 6
SATA	• 6	• 10	• 10	• 10
Peripheral	• 4	• 4	• 4	• 4

## Cable Configuration (length in mm between connectors)

	• Ion+ 560P	• Ion+ 660P	• Ion+ 760P	• Ion+ 860P
ATX 24-pin	• 600	• 600	• 600	• 600
ATX 12V 4+4 pin	• 700	• 700	• 700	• 700
EPS12V 8-pin	• N/A	• N/A	• 600	• 600
PCIe 6+2 pin	• 550+120	• 550+120	• 550+120	• 550+120
SATA	• 400+120+120+120 • 650+120	• 400+120+120+120 • 650+120	• 400+120+120+120 • 650+120	• 400+120+120+120 • 650+120
Peripheral	• 400+120+120+120	• 400+120+120+120	• 400+120+120+120	• 400+120+120+120

## DC Output

	• Ion+ 560P	• Ion+ 660P	• Ion+ 760P	• Ion+ 860P
3.3V	• 20A	• 20A	• 22A	• 22A
5V	• 20A	• 20A	• 22A	• 22A
3.3V and 5V combined	• 110W	• 110W	• 120W	• 120W
12V	• 46.6A	• 55.0A	• 63.3A	• 71.6A
-12V	• 0.3A	• 0.3A	• 0.3A	• 0.3A
+5Vsb	• 3A	• 3A	• 3A	• 3A
Total Power	• 560W	• 660W	• 760W	• 860W

## DC Voltage Regulation

	• <b>+3.3V</b>	• <b>+5V</b>	• <b>+12V</b>
Fractal Design Ion+, typical value	• <0.25%	• <0.25%	• <0.35%
ATX Specifications, maximum value	• <5%	• <5%	• <5%

## Ripple and Noise

	• <b>+3.3V</b>	• <b>+5V</b>	• <b>+12V</b>
Fractal Design Ion+, typical value	• <15mV	• <15mV	• <15mV
ATX Specifications, maximum value	• <50mV	• <50mV	• <120mV

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## Package contents

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- Ion+ PSU with protective bag
- Modular cables in a convenient storage bag
- Screw pack with Velcro cable ties
- AC power cord (localized)
- User manual

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## Additional information

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Product	SKU	EAN	UPC	JAN
ION+ 560P	FD-PSU-IONP-560P-BK	7340172701958	843276101954	4537694270021
ION+ 660P	FD-PSU-IONP-660P-BK	7340172701941	843276101947	4537694270014
ION+ 760P	FD-PSU-IONP-760P-BK	7340172701934	843276101930	4537694270007
ION+ 860P	FD-PSU-IONP-860P-BK	7340172701927	843276101923	4537694269995