

- 80 PLUS® Gold certified efficiency
- Fully modular cable management
- LLC Half-bridge converter with DC-to-DC technology

The Polaris Series brings CHIEFTEC's trusted and proven experience with high quality, 80 PLUS® Gold certified, fully modular power supplies back to the forefront of modern technology. Polaris Series PSU's feature state-of-the-art technical design including LLC half-bridge converter with DC-to-DC technology, as well as high power-density to allow higher efficiency and power output with a more compact size. Cable lengths of 650mm ensure that these power-supplies can be used even in large builds.



Technical data

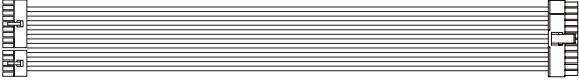

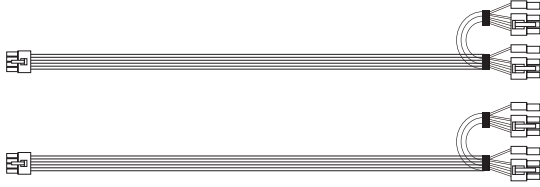
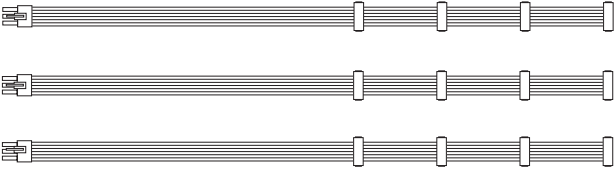

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model | Polaris Series |
| Articel no. | PPS-850FC |
| ATX12V Version | v 2.53 |
| Efficiency | 80 PLUS® Gold |
| PFC | Active PFC |
| Fan | 140mm FDB silent fan |
| Dimension (DxWxH) | 160mm x 150mm x 86mm |
| Security | AFC (Automatic Fan speed Control) OCP (Over Current Protection) OPP (Over Power Protection) OTP (Over Temperature Protection) OVP (Over Voltage Protection) SCP (Short Circuit Protection) SIP (Surge & Inrush Protection) UVP (Under Voltage Protection) |
| Warranty | 24 Months |

Output data

| | | | | | | |
|-------------|---------------------|--------------------------------|------|-------|------|-------|
| PPS - 850FC | AC Input | 100-240V / 12 - 8A / 50 - 60Hz | | | | |
| | DC Output | +3.3V | +5V | +12V | -12V | +5VSB |
| | Max. Current | 22A | 22A | 70.8A | 0.3A | 3.0A |
| | Max. Combined Power | 120W | | 850W | 3.6W | 15W |
| | | | 850W | | | |

* The listed specifications may be altered at any point in time without any pre-notice.

** Chieftec® is a registered trademark. All other brands and/or logos are property of the respective owners.

| | Cable | Connectors | Length (mm) |
|-------------------------------------------------------------------------------------|------------------|------------|---------------------|
|  | 24 PIN ATX | 1 | 650 |
|  | 8 PIN EPS (4+4) | 2 | 2 x 650 |
|  | 8 PIN PCIe (6+2) | 4 | 2 x 600/100 |
|  | SATA | 12 | 3 x 550/100/100/100 |
|  | MOLEX | 4 | 550/100/100/100 |

Certification



Version: 10/2020

* The listed specifications may be altered at any point in time without any pre-notice.

** Chieftec® is a registered trademark. All other brands and/or logos are property of the respective owners.