

- ATX 3.0 with PCIe GEN5
- 80PLUS® GOLD certified efficiency
- Japanese Main Capacitors
- LLC Half-Bridge converter with DC to DC technology
- Fully modular cable management

The **CHIEFTEC Polaris 3.0 series** is designed to **Intel's ATX 3.0** standard and supports **PCIe GEN 5** with **80 PLUS® GOLD** certified efficiency, promising exceptional performance. Polaris 3.0 features state-of-the-art technical design including **LLC half-bridge converter with DC-to-DC technology**, as well as **Japanese main capacitors** to achieve low ripple and tight voltage regulation.

The **Polaris 3.0** 135mm FDB silent fan optimizes the balance between cooling and noise with excellent durability. **Fully modular cable management** ensures a clean and convenient build inside any system.

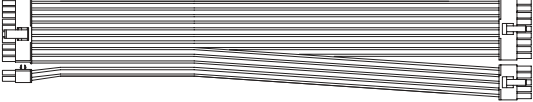
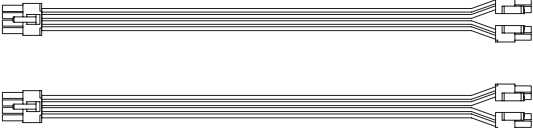
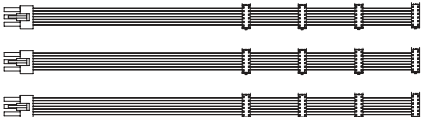


| TECHNICAL DATA    |                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model             | Polaris 3.0 1250W                                                                                                                                                                                                                                                           |
| Articel no.       | PPS-1250FC-A3                                                                                                                                                                                                                                                               |
| Specification     | ATX 12V 3.0                                                                                                                                                                                                                                                                 |
| Form factor       | ATX                                                                                                                                                                                                                                                                         |
| Efficiency        | 80 PLUS® GOLD                                                                                                                                                                                                                                                               |
| PFC               | Active PFC (0.9)                                                                                                                                                                                                                                                            |
| Fan               | 135mm FDB fan                                                                                                                                                                                                                                                               |
| Dimension (DxWxH) | 160mm x 150mm x 86mm                                                                                                                                                                                                                                                        |
| Security          | AFC (Automatic Fan speed Control)<br>OPP (Overload protection)<br>OTP (Over Temperature Protection)<br>OVP (Overvoltage protection)<br>SCP (Short-circuit protection)<br>SIP (Surge & Inrush Protection)<br>UVP (Under Voltage protection)<br>OCP (Over-Current Protection) |
| Warranty          | 5 Years                                                                                                                                                                                                                                                                     |

| OUTPUT DATA   |                     |                               |     |        |      |       |
|---------------|---------------------|-------------------------------|-----|--------|------|-------|
| PPS-1250FC-A3 | AC Input            | 100-240V~ / 15-8A / 50 - 60Hz |     |        |      |       |
|               | DC Output           | +3.3V                         | +5V | +12V   | -12V | +5VSB |
|               | Max. Current        | 22A                           | 22A | 104.1A | 0.3A | 3.0A  |
|               | Max. Combined Power | 120W                          |     | 1250W  | 3.6W | 15W   |
|               |                     | 1250W                         |     |        |      |       |

\* 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)         |
|-------------------------------------------------------------------------------------|------------------|------------|---------------------|
|    | 20+4 PIN ATX     | 1          | 650                 |
|    | 8 PIN EPS (4+4)  | 2          | 2 x 650             |
|    | 8 PIN PCIe (6+2) | 4          | 2 x 600/100         |
|  | 16 PIN PCIe GEN5 | 1          | 600                 |
|  | SATA             | 12         | 3 x 550/100/100/100 |
|  | MOLEX            | 4          | 550/100/100/100     |

## Certification



Version: 01/2023

\*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.