



Chieftec Polaris Series - Power supply (internal)

ATX12V 2.3/ EPS12V - 80 PLUS Gold - AC 100-240 V - 850 Watt - active PFC

Group	Power Supply
Manufacturer	Chieftec
Manufacturer item no.	PPS-850FC

Description

The Polaris Series brings CHIEFTEC's trusted and proven experience with high-quality fully modular power supplies back to the forefront of modern technology. Polaris Series PSU's outstanding 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.

Main features

Product Description	Chieftec Polaris Series - power supply - 850 Watt
Device Type	Power supply - active Power Factor Correction (PFC) - internal
Specification Compliance	ATX12V 2.3/ EPS12V
80 PLUS Certification	80 PLUS Gold
Weight	2.6 kg
Input Voltage	AC 100-240 V
Output Voltage	+3.3, +5, ±12 V
Power Capacity	850 Watt
Output connectors	1 x power 24 pin ATX with detachable 4 pin section 2 x power 8 pin EPS12V with detachable 4 pin ATX12V section 4 x 8 pin PCI Express power with detachable 2 pin section 4 x 4 PIN internal power 12 x 15 pin Serial ATA power 1 x 4 PIN mini-power connector
Cooling System	140 mm fan
Dimensions (WxDxH)	15 cm x 16 cm x 8.6 cm

Extended details

General

Device Type	Power supply - active Power Factor Correction (PFC) - internal
Specification Compliance	ATX12V 2.3/ EPS12V
PSU Form Factor	ATX

Power Device

Input Voltage	AC 100-240 V
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Frequency Required	50 - 60 Hz
Power Output Connectors Details	1 x power 24 pin ATX with detachable 4 pin section 2 x power 8 pin EPS12V with detachable 4 pin ATX12V section 4 x 8 pin PCI Express power with detachable 2 pin section 4 x 4 PIN internal power 12 x 15 pin Serial ATA power 1 x 4 PIN mini-power connector
Output Voltage	+3.3, +5, ±12 V
Power Capacity	850 Watt
Output Current	+5V - 22 A +3.3V - 22 A +12V1 - 70.8 A +5VSB - 3 A -12V - 0.3 A
Power Factor (PF)	0.9
Modular Cable Management	Yes
80 PLUS Certification	80 PLUS Gold
Miscellaneous	
Cooling System	140 mm fan
Features	Overheat protection, over current protection, over voltage protection, overload protection, undervoltage protection, short-circuit protection, DC-DC technology, fully modular, Automatic Fanspeed Control (AFC), Surge & Inrush Protection (SIP), LLC Half Bridge Topology
Compliant Standards	CB, FCC, RoHS, WEEE, ErP Ready, EAC, Interseroh, TUV Rheinland
Manufacturer Warranty	
Service & Support	Limited warranty - 2 years
Dimensions & Weight	
Width	15 cm
Depth	16 cm
Height	8.6 cm
Weight	2.6 kg
Dimensions & Weight (Shipping)	
Shipping Weight	3.3 kg

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