With the **PROTON** Series, **CHIEFTEC** advances into the new-age **DC to DC power supply technology**. The series allows for energy conservation, as well as a much higher efficiency and power stability, which in turn ensures a higher longevity of installed components. The efficiency of the **PROTON** Series is certified at **80 PLUS® BRONZE** thereby fulfilling all **ENERGY STAR 5.0** and higher requirements as stipulated by the EU.
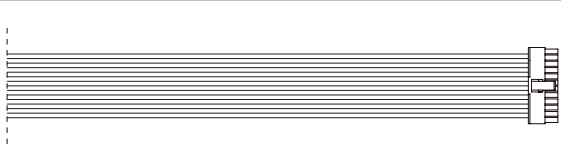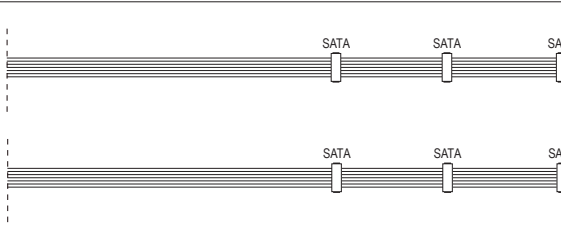
Technical data	
Model	Proton 500W
Artikel no.	BDF-500S
EAN code	4710713231269
Weight (without/with package)	1.55 kg / 1.90 kg
Specification	ATX 12V 2.3
Form factor	PS II
Efficiency	80 PLUS® Bronze
PFC	Active PFC (0.9)
Fan	120mm silent fan
Dimension (DxWxH)	140mm x 150mm x 87mm
Security	AFC (Automatic Fanspeed Control) OCP (Overcurrent Protection) OPP (Overload Protection) OTP (Over Temperature Protection) OVP (Overvoltage Protection) SCP (Short-circuit Protection) SIP (Surge & Inrush Protection) UVP (Undervoltage Protection)
Warranty	24 Months

Output data						
Proton 500W	AC Input	115-230V 50-60Hz 10A				
	DC Output	+3.3V	+5V	+12V	-12V	+5VSB
	Max. Current	18A	18A	41.68A	0.3A	2.5A
	Max. Combined Power	90W		500W	3.6W	12.5W
		500W				

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

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	Cable	Connectors	Length (mm)
	24 PIN	1	450
	8 PIN EPS (4+4)	1	550
	8 PIN PCI-E (6+2)	2	450/150
	MOLEX	3	400/150/150
	SATA	6	2x 400/150/150

Certification
80 PLUS BRONZE · TÜV Rheinland CERTIFIED · CE · CB · EAC · interseroh · RoHS LEAD FREE · ErP

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