

POWER SUPPLIES

SOLID POWER

SDP-SS

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Sentey SOLID POWER PSU is designed with a Hybrid LLC Resonant topology to ensure maximum performance and stability, even when used in high-demand systems with microprocessors and next-generation graphics cards. SOLID POWER PSU is 80 PLUS certified standard which ensures greater than 80% efficiency.



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• SOLID POWER

Sentey SOLID POWER PSU is designed with a Hybrid LLC Resonant topology to ensure maximum performance and stability, even when used in high-demand systems with microprocessors and next-generation graphics boards.

- Are certified with 80 plus standard, which ensures greater efficiency to 80% at any load.

- Has an Active PFC power factor correction, preventing false or unnecessary consumption.

- Also, have a universal power input making it possible to connect in any country, and that automatically adapts to any supply voltage.

- Ultra-quiet Fan automatically controlled by the temperature of the unit.

- Has a single 12V Rail to enhance robust performance of the PSU, concentrating all power in a single line and a system of fixed cables are constructed with a nylon mesh of high resistance, which in turn protects and provides a powerful aspect visually.

- Sentey SOLID POWER has multi protections that are activated to protect all connected devices, making it a reliable PSU. SOLID POWER has a 5-year warranty, which translates into the confidence of a high-end equipment and full technical support help desk.



CLASS 1



POWER SUPPLIES

SOLID POWER SDP-SS

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• FEATURES



SDP850-SS

- * ATX 12V v2.2 & EPS 12V v2.92
- * Standard 80 PLUS Certified
- * Active PFC
- * Universal AC Input 100V - 250V
- * A robust +12 V Rail
- * Ultra Silent 140mm Fan
- * 5 Year Warranty



SDP750-SS

- * ATX 12V v2.2 & EPS 12V v2.92
- * Standard 80 PLUS Certified
- * Active PFC
- * Universal AC Input 100V - 250V
- * A robust +12 V Rail
- * Ultra Silent 140mm Fan
- * 5 Year Warranty



SDP650-SS

- * ATX 12V v2.2 & EPS 12V v2.92
- * Standard 80 PLUS Certified
- * Active PFC
- * Universal AC Input 100V - 250V
- * A robust +12 V Rail
- * Ultra Silent 140mm Fan
- * 5 Year Warranty



SDP550-SS

- * ATX 12V v2.2 & EPS 12V v2.92
- * Standard 80 PLUS Certified
- * Active PFC
- * Universal AC Input 100V - 250V
- * A robust +12 V Rail
- * Ultra Silent 140mm Fan
- * 5 Year Warranty



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• TECHNICAL INFORMATION

SDP850-SS // // // //

- 80 Plus Certified: Solid Power Series operates: 20%, 50% and 100% load, with a minimum efficiency of 80%.
- Compliant with ATX12V v2.2, EPS12V v2.91 and SSI EPS 12V V2.92.
- Universal AC Input 100V ~ 250V.
- Active Power Factor Corrector. (APFC)
- Black Silent Fan 140 mm.
- Automatic fan speed.
- Support for all the latest Intel and AMD, Core i7, i5, i3; AMD Phenom X4, Athlon X3.
- A single +12V rail provides stability and ease of use getting the most out of your PSU.
- 6 Pin PCI-E connector & 6 +2 Pin to satisfy the requirements of high-performance graphics cards.
- Supports ATI CrossFire / NVIDIA SLI.
- Cables covered with nylon mesh.
- Black High resistant paint.
- Over voltage protection, under voltage protection, over power protection and short circuit protection. The power turns off automatically to prevent damage to your system.
- Five year warranty.

AC INPUT		115Vac~240Vac 10A 60Hz/50Hz				
DC OUTPUT		+3.3v	+5v+	12v	-12v	+5vsb
850W	MAX OUTPUT CURRENT	24A	24A	70A	0.5A	3.0A
	MAX COMBINED WATTAGE	120W		840W	6W	15W
850W						

SDP750-SS // // // //

- 80 Plus Certified: Solid Power Series operates: 20%, 50% and 100% load, with a minimum efficiency of 80%.
- Compliant with ATX12V v2.2, EPS12V v2.91 and SSI EPS 12V V2.92.
- Universal AC Input 100V ~ 250V.
- Active Power Factor Corrector. (APFC)
- Black Silent Fan 140 mm.
- Automatic fan speed.
- Support for all the latest Intel and AMD, Core i7, i5, i3; AMD Phenom X4, Athlon X3.
- A single +12V rail provides stability and ease of use getting the most out of your PSU.
- 6 Pin PCI-E connector & 6 +2 Pin to satisfy the requirements of high-performance graphics cards.
- Supports ATI CrossFire / NVIDIA SLI.
- Cables covered with nylon mesh.
- Black High resistant paint.
- Over voltage protection, under voltage protection, over power protection and short circuit protection. The power turns off automatically to prevent damage to your system.
- Five year warranty.

AC INPUT		115Vac~240Vac 10A 60Hz/50Hz				
DC OUTPUT		+3.3v	+5v+	12v	-12v	+5vsb
750W	MAX OUTPUT CURRENT	24A	24A	62A	0.5A	3.0A
	MAX COMBINED WATTAGE	120W		744W	6W	15W
750W						



CLASE 1



POWER SUPPLIES

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SDP-SS

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• TECHNICAL INFORMATION

SDP650-SS // // // //

- 80 Plus Certified: Solid Power Series operates: 20%, 50% and 100% load, with a minimum efficiency of 80%.
- Compliant with ATX12V v2.2, EPS12V v2.91 and SSI EPS 12V V2.92.
- Universal AC Input 100V ~ 250V.
- Active Power Factor Corrector. (APFC)
- Black Silent Fan 140 mm.
- Automatic fan speed.
- Support for all the latest Intel and AMD, Core i7, i5, i3; AMD Phenom X4, Athlon X3.
- A single +12V rail provides stability and ease of use getting the most out of your PSU.
- 6 Pin PCI-E connector & 6 +2 Pin to satisfy the requirements of high-performance graphics cards.
- Supports ATI CrossFire / NVIDIA SLI.
- Cables covered with nylon mesh.
- Black High resistant paint.
- Over voltage protection, under voltage protection, over power protection and short circuit protection. The power turns off automatically to prevent damage to your system.
- Five year warranty.

AC INPUT		115Vac~240Vac 10A 60Hz/50Hz				
DC OUTPUT		+3.3v	+5v+	12v	-12v	+5vsb
650W	MAX OUTPUT CURRENT	24A	22A	54A	0.5A	3.0A
	MAX COMBINED WATTAGE	110W		648W	6W	15W
		650W				

SDP550-SS // // // //

- 80 Plus Certified: Solid Power Series operates: 20%, 50% and 100% load, with a minimum efficiency of 80%.
- Compliant with ATX12V v2.2, EPS12V v2.91 and SSI EPS 12V V2.92.
- Universal AC Input 100V ~ 250V.
- Active Power Factor Corrector. (APFC)
- Black Silent Fan 140 mm.
- Automatic fan speed.
- Support for all the latest Intel and AMD, Core i7, i5, i3; AMD Phenom X4, Athlon X3.
- A single +12V rail provides stability and ease of use getting the most out of your PSU.
- 6 Pin PCI-E connector & 6 +2 Pin to satisfy the requirements of high-performance graphics cards.
- Supports ATI CrossFire / NVIDIA SLI.
- Cables covered with nylon mesh.
- Black High resistant paint.
- Over voltage protection, under voltage protection, over power protection and short circuit protection. The power turns off automatically to prevent damage to your system.
- Five year warranty.

AC INPUT		115Vac~240Vac 10A 60Hz/50Hz				
DC OUTPUT		+3.3v	+5v	+12v	-12v	+5vsb
550W	MAX OUTPUT CURRENT	22A	22A	45.5A	0.5A	3.0A
	MAX COMBINED WATTAGE	110W		546W	6W	15W
		550W				



CLASS 1




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CERTIFICATIONS



850w

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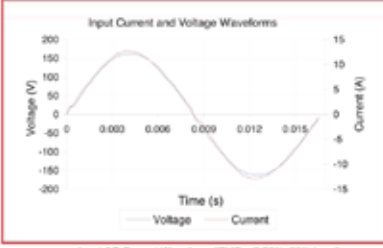
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load)	84.71%
AVERAGE EFFICIENCY	82.85%
80 PLUS COMPLIANT	YES

EcoID #	320 1
Manufacturer	SENTEY ICOMPUNOW TRADING CORP.
Model Number	SDP850-SS
Serial Number	NA
Type	ATX12V
Test Date	6/2/2007

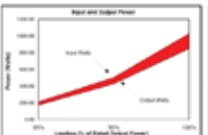
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	1.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts


Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.




Input AC Current Waveform (THD = 3.92%, 50% Load)


Line	W	V	Hz	THD	Power Factor	Efficiency	Temp	Notes
1	115	115	60	3.92	0.99	84.71	50	50% Load
2	115	115	60	3.92	0.99	82.85	50	Average
3	115	115	60	3.92	0.99	82.85	50	THD









These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote higher efficiency power supplies. Input Power 80% efficiency in the above means in additional applications. <http://www.80plus.com/>






750w

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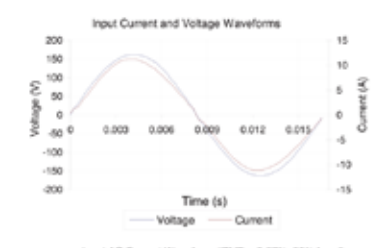
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load)	84.62%
AVERAGE EFFICIENCY	82.78%
80 PLUS COMPLIANT	YES

EcoID #	319 1
Manufacturer	SENTEY ICOMPUNOW TRADING CORP.
Model Number	SDP750-SS
Serial Number	NA
Type	ATX12V
Test Date	6/2/2007

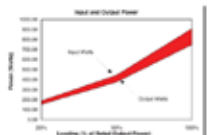
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	1.2	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts


Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.




Input AC Current Waveform (THD = 3.57%, 50% Load)


Line	W	V	Hz	THD	Power Factor	Efficiency	Temp	Notes
1	115	115	60	3.57	0.99	84.62	50	50% Load
2	115	115	60	3.57	0.99	82.78	50	Average
3	115	115	60	3.57	0.99	82.78	50	THD







These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote higher efficiency power supplies. Input Power 80% efficiency in the above means in additional applications. <http://www.80plus.com/>





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CERTIFICATIONS



650W

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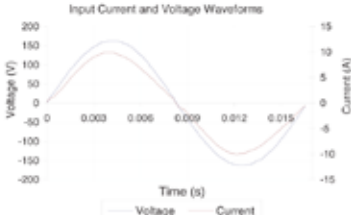
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load)	84.7%
AVERAGE EFFICIENCY	82.83%
80 PLUS COMPLIANT:	YES

Case ID #	403.1	
Manufacturer	SENTEY COMPILOW TRADING CORP.	
Model Number	SDP650-SS	
Serial Number	N/A	
Type	ATX12V & EPS12V	
Test Date	1/8/2008	

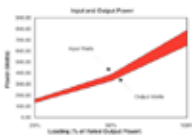
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	9.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

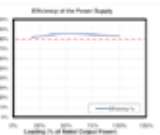


Input AC Current Waveform (THD = 5.35%, 50% Load)


Time	Voltage (V)	Current (A)
0.000	0	0
0.003	150	10
0.006	180	12
0.009	150	10
0.012	0	0
0.015	-150	-10
0.018	-180	-12
0.021	-150	-10
0.024	0	0




Input and Output Power




Efficiency of the Power Supply




These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote higher efficiency power supplies. Supplies that 80 PLUS efficiency is the active model in the listing specifications. <http://www.80plus.org>






550W

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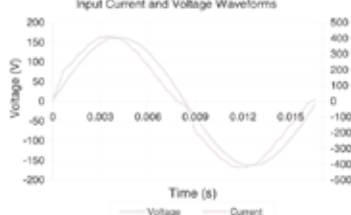
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load)	84.52%
AVERAGE EFFICIENCY	83.69%
80 PLUS COMPLIANT:	YES

Case ID #	2085	
Manufacturer	SENTEY COMPILOW TRADING CORP.	
Model Number	SDP550-SS	
Serial Number	S101120008	
Type	ATX12V	
Test Date	12/16/2010	

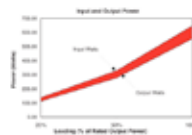
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	10	Amps
Input Frequency	60-50	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.




Input AC Current Waveform (THD = 5.35%, 50% Load)


Time	Voltage (V)	Current (A)
0.000	0	0
0.003	150	10
0.006	180	12
0.009	150	10
0.012	0	0
0.015	-150	-10
0.018	-180	-12
0.021	-150	-10
0.024	0	0




Input and Output Power



Efficiency of the Power Supply



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote higher efficiency power supplies. Supplies that 80 PLUS efficiency is the active model in the listing specifications. <http://www.80plus.org>



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▶ Ultra silent fan 140 mm



▶ Cable Protectors



▶ Cables covered in nylon mesh



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▶ Black high resistant paint



▶ Honeycomb ventilation format



▶ 3-pin socket with switch input line



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▶ AC inlet board with the first stage of transient filtering



▶ MOSFET Transistors mounted in black aluminum heatsink



▶ LLC resonant controller



▶ Electrolytic capacitors of DC filtering



▶ Output rails of 3,3v, 5v, 12v, -12v, 5v with rubber insulation



▶ DC-DC converter board



CLASE 1

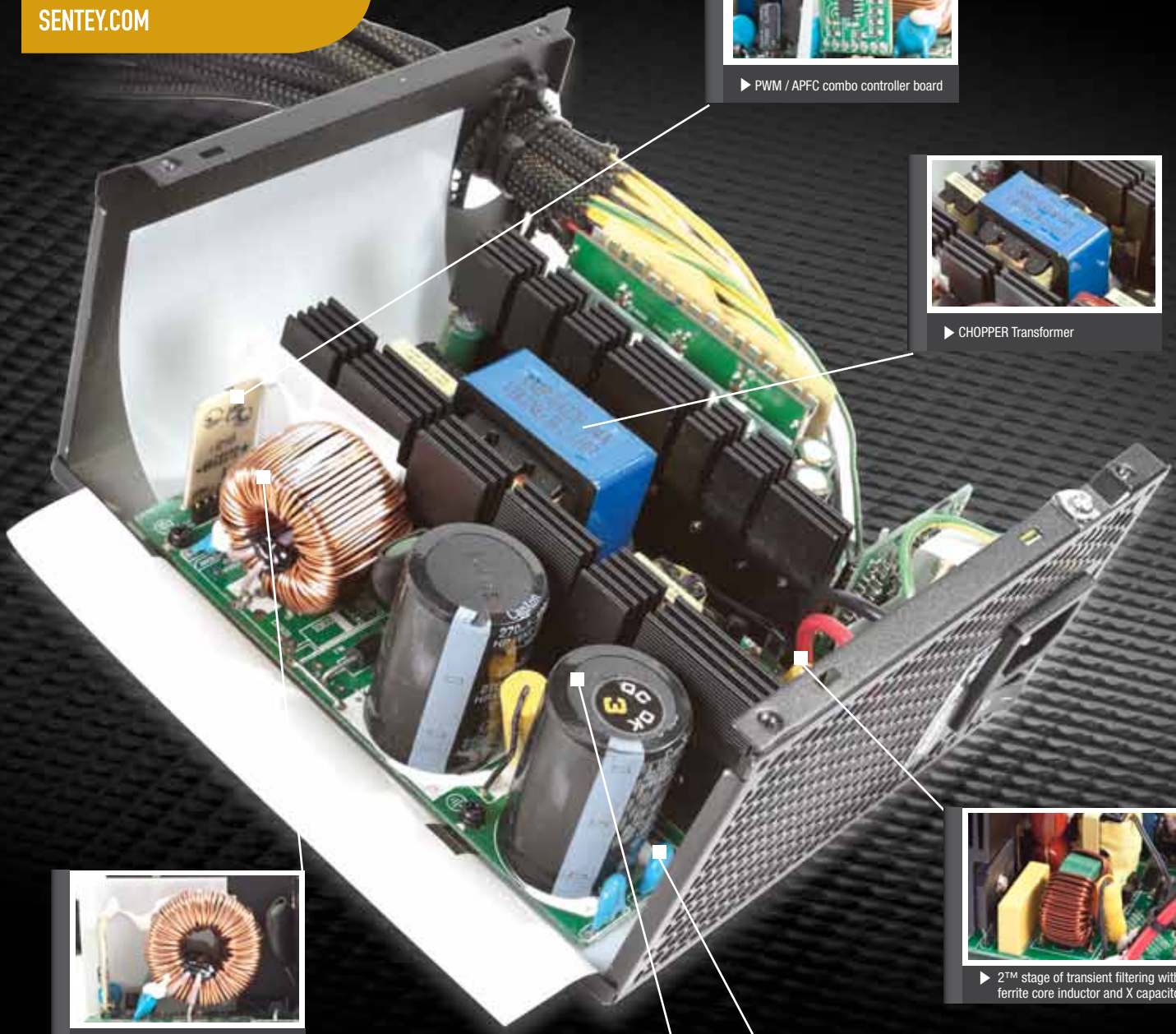


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▶ PWM / APFC combo controller board



▶ CHOPPER Transformer



▶ APFC Transformer



▶ 2nd stage of transient filtering with ferrite core inductor and X capacitor



▶ Capxon main electrolytic capacitors



▶ Y Capacitors

POWER SUPPLIES

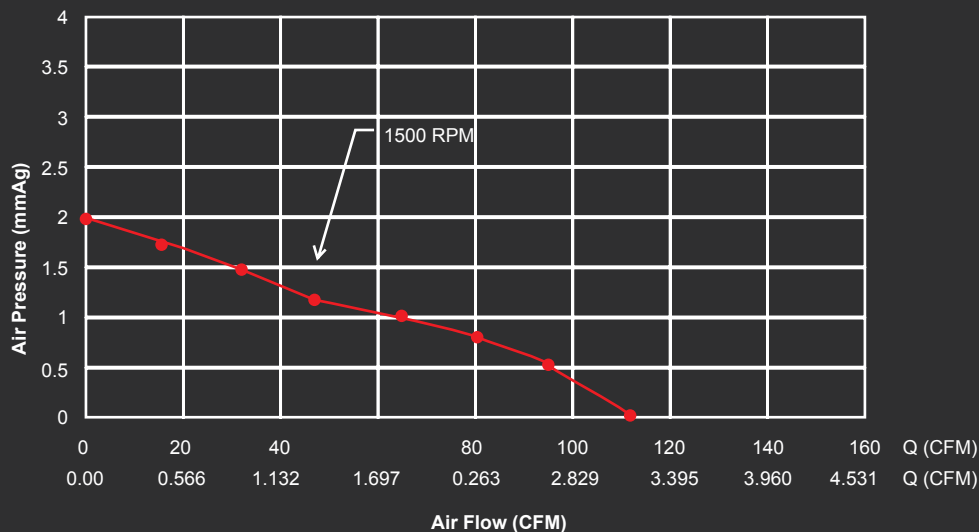
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CONNECTORS

	MOTHERBOARD 20+4 PIN	CPU 12V 4+4 PIN	SATA 5 PIN	MOLEX 4 PIN	FLOPPY	PCI-E 6 PIN	PCI-E 6+2 PIN
SDP550-SS	1	1	6	5	1	1	1
SDP650-SS	1	1	6	5	1	1	1
SDP750-SS	1	1	8	5	1	2	2
SDP850-SS	1	1	8	5	1	2	2

COOLER FAN FEATURES



CLASS 1

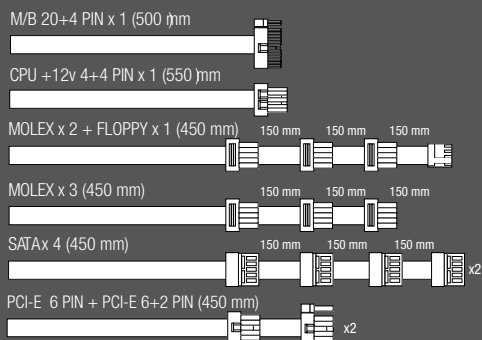


POWER SUPPLIES

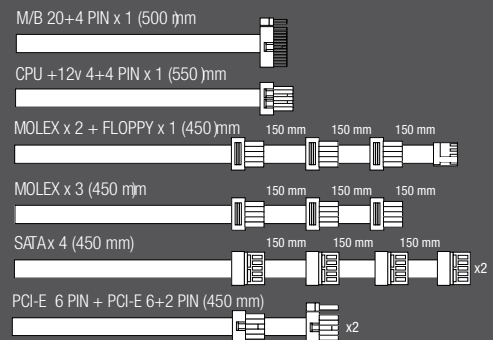
SOLID POWER SDP-SS

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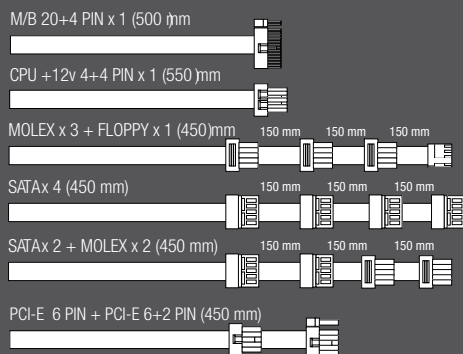
• SDP850-SS CONNECTORS ▼



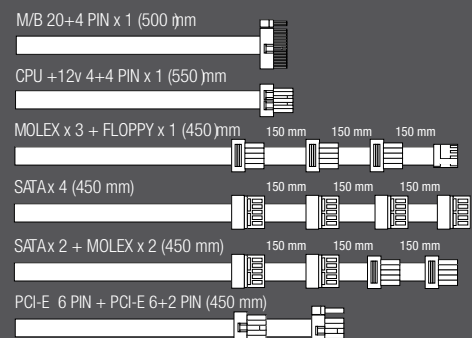
• SDP750-SS CONNECTORS ▼



• SDP650-SS CONNECTORS ▼



• SDP550-SS CONNECTORS ▼



CLASE 1



POWER SUPPLIES

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• PACKAGING AND CONTENT

- ▶ SDP Power Supply
- ▶ Warranty
- ▶ User Manual
- ▶ AC Power Cable
- ▶ Mounting screws



CLASS 1





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