








RUSHPOWER M

Efficient power supplies with modular cable system



Eigenschaften:

	<p>ATX 12 V v.2.31: Supports the latest Intel and AMD processor based systems.</p>
	<p>Separate 12 V rails: Separate 12 V rails guarantee a stable power supply for all components.</p>
	<p>High energy efficiency: This power supply achieves an energy efficiency higher than 80%. This value indicates the ratio (in percent) between energy input and output. The closer this value reaches 100%, the less power dissipation does the PSU produce.</p>
	<p>Cable management: The PSU provides a modular cable system. Thus only the required cables need to be connected.</p>

	<p>Active PFC function: This power supply operates with active power factor correction (PFC).</p>
	<p>135 mm fan: The installed 135 mm fan provides a considerably higher airflow with lower rpm, thus reducing the operating noise effectively.</p>
	<p>PCIe connectors: This power supply unit is equipped with two (SHA-R400M) / four (SHA-R500M, SHA-R600M) PCIe connectors (6-pin plus 6+2-pin).</p>

RUSHPOWER M

Specifications:

Model No.	SHA-R400M					
Input (AC)	Input voltage		Current		Frequency	
	100 – 240 V ~		8 – 4 A		60 – 50 Hz	
Output (DC)	+3.3 V	+5 V	+12 V ₁	+12 V ₂	-12 V	+5 V _{SB}
Max. Output Current	24 A	20 A	18 A	18 A	0.3 A	2.5 A
Max. Combined Power	120 W		300 W			
	400 W					

Model No.	SHA-R500M					
Input (AC)	Input voltage		Current		Frequency	
	100 – 240 V ~		10 – 5 A		60 – 50 Hz	
Output (DC)	+3.3 V	+5 V	+12 V ₁	+12 V ₂	-12 V	+5 V _{SB}
Max. Output Current	24 A	20 A	20 A	20 A	0.3 A	2.5 A
Max. Combined Power	130 W		360 W			
	500 W					

Model No.	SHA-R600M					
Input (AC)	Input voltage		Current		Frequency	
	115 – 240 V ~		10 – 5 A		60 – 50 Hz	
Output (DC)	+3.3 V	+5 V	+12 V ₁	+12 V ₂	-12 V	+5 V _{SB}
Max. Output Current	24 A	24 A	30 A	30 A	0.3 A	2.5 A
Max. Combined Power	140 W		500 W			
	600 W					

Safety standards:

CB, FCC, BSMI and CE

Temperature range:

Operation	0 to +40 °C	20 – 85% rel. humidity, non-condensing
Storage	-40 to +70 °C	5 – 90% rel. humidity, non-condensing

RUSHPOWER M

Protective functions:

1. Over voltage protection:

The power supply provides a latch mode against over voltage, as defined below:

	Min.	Max.	Unit
+5 V	5.74	7.5	Volt
+3.3 V	3.76	4.8	Volt
+12 V _{1,2}	13.4	17	Volt

2. Short circuit protection:

The power supply is designed with a short circuit protection to prevent damage of the power supply components. Main power will be shutdown when a short circuit occurs. The PSU will return to normal after the short circuit has been removed and the main power switch has been turned off and back on again, with a minimum cycle pause of 2 seconds.

3. Over current protection:

The power supply provides a latch mode against over current, as defined below:

	Model No.	Limit value (min.)	Limit value (max.)	Unit
+12 V _{1,2}	SHA-R400M	23	36	A
	SHA-R500M	23	37	
	SHA-R600M	31	50	

Connectors:

Connector	SHA-R400M	SHA-R500M, SHA-R600M
20+4-pin ATX power connector	1x attached	1x attached
4+4-pin P8 power connector	1x attached	1x attached
6-pin PCIe power connector	1x modular	2x modular
6+2-pin PCIe power connector	1x modular	2x modular
SATA power connector	6x modular	6x modular
4-pin connector for peripheral devices	5x modular	5x modular
4-pin floppy connector	1x modular	1x modular

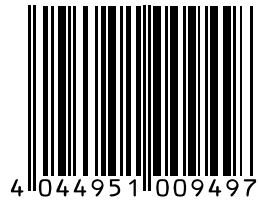
RUSHPOWER M

Package content:

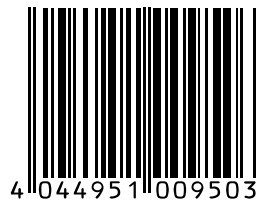
- Power supply "Rush Power M"
- Power cord
- Manual
- Set with modular cables:
 - o PCIe cable with 1x 6-pin and 1x 6+2-pin each:
 - 1x SHA-R400M,
 - 2x SHA-R500M, SHA-R600M
 - o 1x Peripheral (3x 4-pin)
 - o 1x Peripheral (2x 4-pin + 1x Floppy)
 - o 1x SATA cable (6x 15-pin)
- Cable ties
- Set with screws
- Cable bag



Retail package (9 languages):



4 044951 009497 **400 W**



4 044951 009503 **500 W**



4 044951 008728 **600 W**