



HYPER M 85⁺ Series

550W / 650W



Introduction

Hyper M 85⁺ Series, FSP brand new 80 PLUS[®] Bronze semi-modular ATX PSU, featured with DC to DC module and +12V single-rail design, taken with full Japanese e-capacitors and quiet 120mm silent fan, built in with complete protections: OCP, OVP, SCP, OPP, OTP and approved by global safety regulation.

Hyper M 85⁺ Series comes out with two models – 550W and 650W.

Features



DC to DC module

Providing high efficient, stable power



Quiet and Durable Cooling

20% Loading < 18dBA, 50% Loading < 19dBA,
100% Loading < 25dBA



Semi-modular Ribbon Cable Design

Easy installation, Ideal solution for applications
with space constraint issue

- Complies with ATX12 v2.4 & EPS12 v2.92
- High Efficiency $\geq 85\%$ @ Typical Load
- Active PFC ≥ 0.9
- Comply with 80PLUS[®] Bronze Certification
- +12V Single-Rail Design
- Full Japanese E-capacitors
- Semi Modular Design with Ribbon Cable
- Quiet 120mm Silent Fan
- Complete Protections: OCP, OVP, SCP, OPP, OTP
- Global Safety Approved



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550W / 650W

Product Overview



DC to DC Module Design

+12V SR circuit, combining both +3.3V and +5V DC-DC modules, offers supreme efficiency, voltage stability and high system compatibility especially in cross regulation (unbalanced load) mode.

Low Noise

120mm quiet fan and high ventilation- effect fan guard design guarantees it spins quietly and keeps cooling under maximum operation.

Full Japanese E-capacitors

Stable, durable components lead long product lifespan.

Semi-modular Design with Flat Black Ribbon Cable

Easy installation, an ideal solution for applications with space constraint issue.

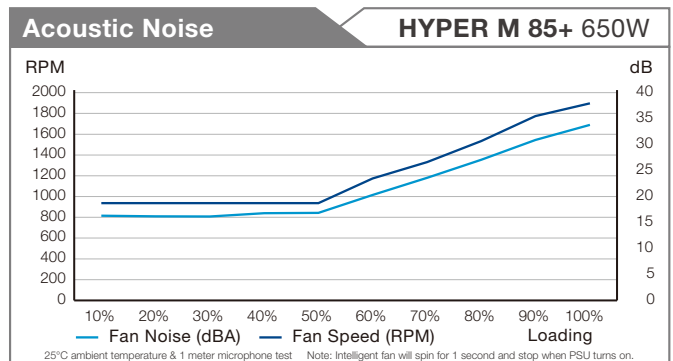
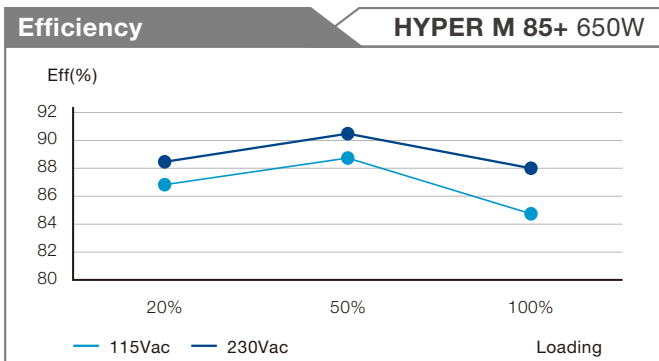
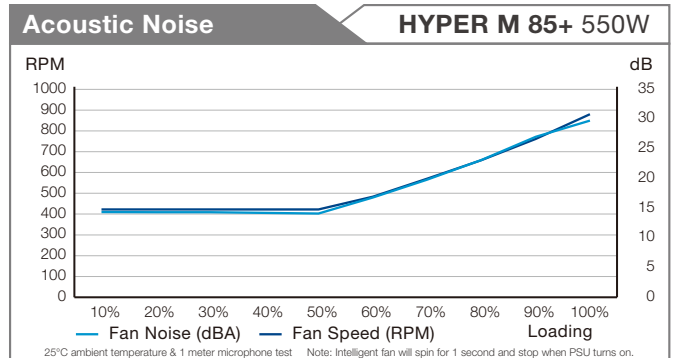
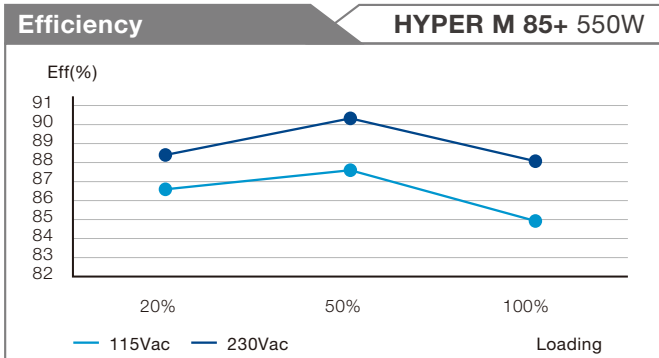




HYPER M 85+ Series

550W / 650W

Performance





HYPER M 85⁺ Series

550W / 650W

Rating

550W

AC Input	100-240Vac~ 10-5A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	45.84A	0.3A	2.5A
Max Combined Power	100W		550W	3.6W	12.5W
Total Power	550W				

650W

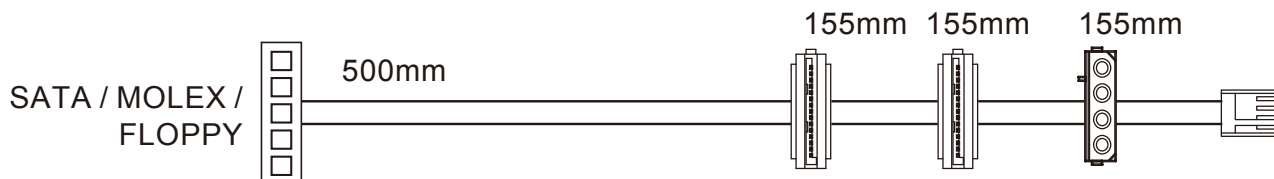
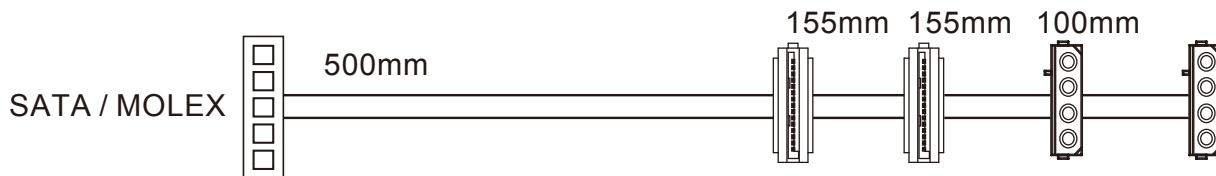
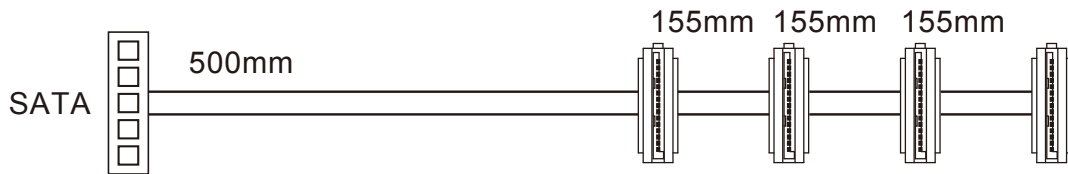
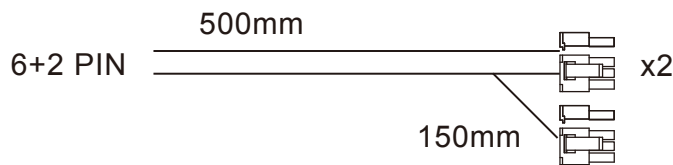
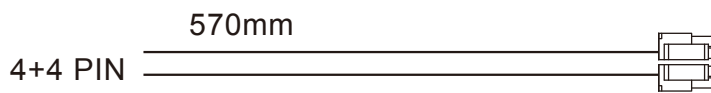
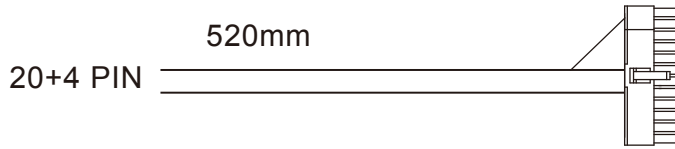
AC Input	100-240Vac~ 10-5A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	54.17A	0.3A	2.5A
Max Combined Power	100W		650W	3.6W	12.5W
Total Power	650W				

Specifications

		
Model	HA550M	HA650M
Type	ATX PSU	ATX PSU
PFC	Active PFC	Active PFC
Input Voltage	100-240 Vac	100-240 Vac
Input Current	10-5A	10-5A
Input Frequency	60-50 Hz	60-50 Hz
Output Capacity	550W	650W
Max. Output Power	550W	650W
Fan Type	Sleeve Fan, 120mm	Sleeve Fan, 120mm
Efficiency	85%	85%
MTBF	100,000 Hrs.	100,000 Hrs.
Protection	OCP, OVP, SCP, OPP, OTP	OCP, OVP, SCP, OPP, OTP
Weight		
Dimension(L×W×H)	15 x 16.5 x 8.6 cm 5.9 x 6.5 x 3.38 inch	15 x 16.5 x 8.6 cm 5.9 x 6.5 x 3.38 inch

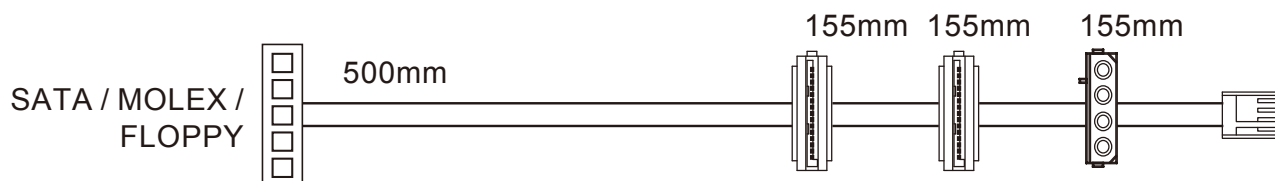
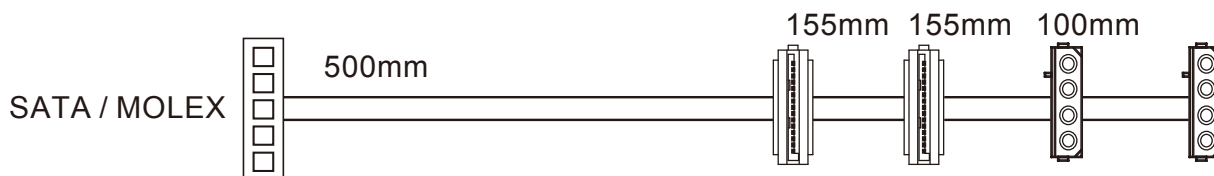
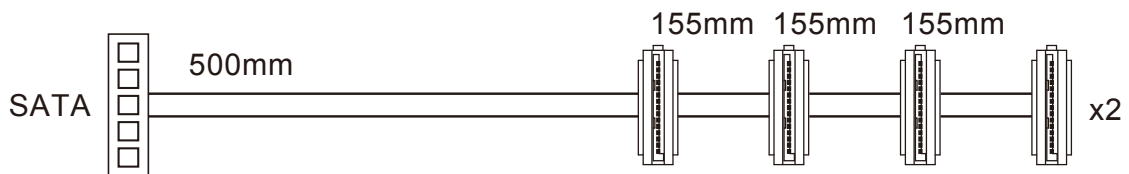
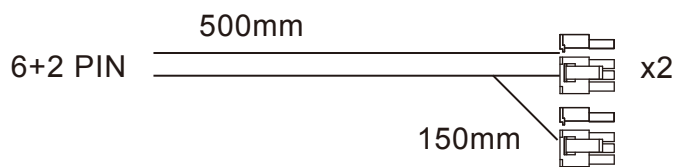
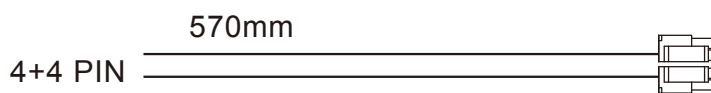
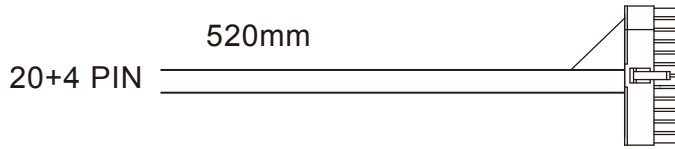
Cable Length

550W



Cable Length

650W





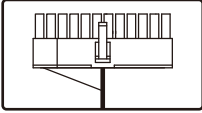
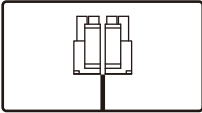
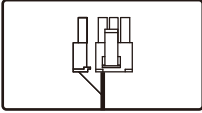
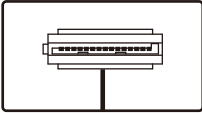
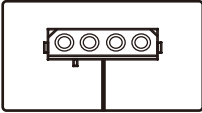
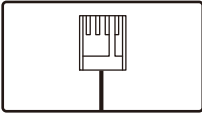
HYPER M 85⁺ Series

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Package Information

Model	HA550M	HA550
EAN Code	4713224520464	4713224520471
UPC Code	845685009234	845685009241
Shipping Dimensions (L×W×H)		
Shipping Weights		
Master Pack Dimension (L×W×H)		
Master Pack Quantity		
Master Pack Weight		
Pallet Quantity		
Country of Origin		China
Warranty		5 Years
Additional Information	550W http://www.fsplifestyle.com/en/product/HyperM85plus550W.html	
	650W http://www.fsplifestyle.com/en/product/HyperM85plus650W.html	

Connectors

	550W	650W
 20+4 PIN	1	1
 4+4 PIN	1	1
 6+2 PIN	4	4
 SATA	8	12
 MOLEX	3	3
 FLOPPY	1	1