



HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W



Introduction

The new HYDRO M PRO PSUs comply fully ATX12 v2.52 standard and latest safety 62368 regulation as well, and features semi-modular with all black and high-grade ribbon cables, will give your PC a polished look. The HYDRO M PRO series is characterized by a powerful single +12V rail design that continually delivers maximum performance for the most demanding components, while FSP's custom DC-DC design provides safety and power efficiency. Besides, The HYDRO M PRO series is built with 450V, 105°C capacitors for high durability. With an 230V 80 Plus® rating, delivers over 85% high efficiency and low noise levels thanks to its hydraulic bearing fan design, where a large 120mm fan takes care of cooling duties when required, making it excellent for situations that are sensitive to size and noise.

Features



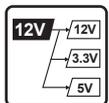
120mm Hydraulic Bearing (HYB) Fan

It makes optimal cooling and reduces noise. And longer lifespan than a standard fan.



+12V Single Rail Design

Designed for power-intensive VGA cards., provides strong power to any overloading condition.



DC – DC Module

Providing high efficient , stable power.



Efficiency 88%

It generates less heat to you PC system and saves you more from energy bills.

- Complies with ATX12 v2.52 & EPS12 V2.92
- Efficiency $\geq 88\%$ @ typical Load
- Active PFC ≥ 0.9
- Hold up time $\geq 17\text{ms}$ @ 80% Load
- Semi-modular design with ribbon cables
- 450V, 105°C capacitors for a long product life cycle
- 120mm hydraulic bearing (HYB) fan
- +5V & 3.3V DC to DC module design
- +12V Single-Rail Design
- Complete Protections: OCP/OVP/OPP/SCP

Product Overview



450V 105°C, Heavy-duty capacitor

The bulk capacitor inside serves to support working under an extremely harsh environment, such as with high temperatures, peak voltage fluctuations.

It stabilizes the performance for high reliability that your system can count on.

Up-to-date Circuit Design

A dual forward topology integrated with active PFC and PWM technology and double EMI filter delivers full power and enhances stability to your system.



Green Power

Complies with 2013 ErP/EuP, the total AC power consumption of the completed system is less than 0.5W in standby mode.

Unleash +12V Power Output

VGA card is a component which needs greedy and stable power supporting most. A single +12V rail design that VGA cards full power individually and to avoid any overloading conditions.



HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Product Overview

Low Noise, Less Heat

A 120mm Hydraulic Bearing (HYB) Fan makes optimal cooling and reduces noise. And longer lifespan than a standard fan.



Semi-modular design with ribbon cables

We know what builders need. The all black coating round cables give your system a superior look.

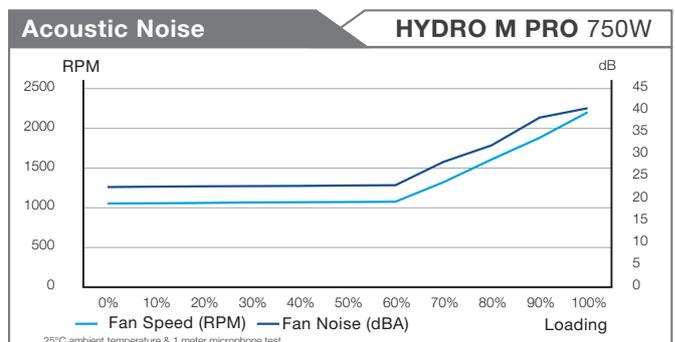
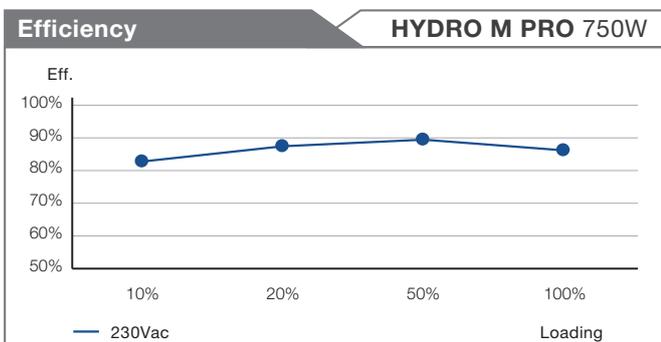
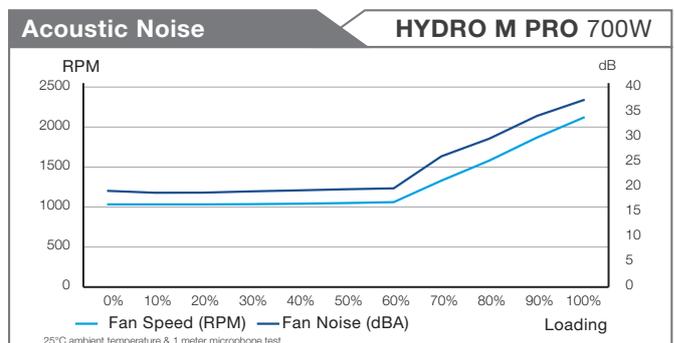
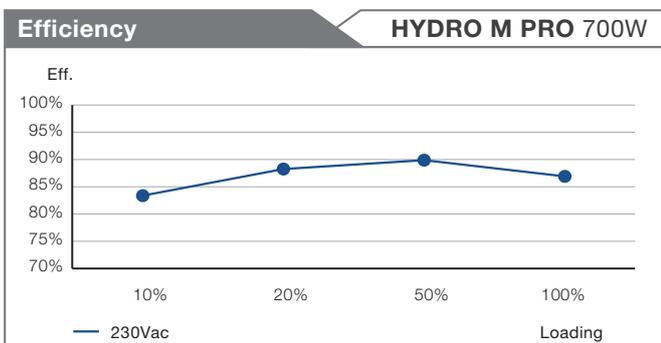
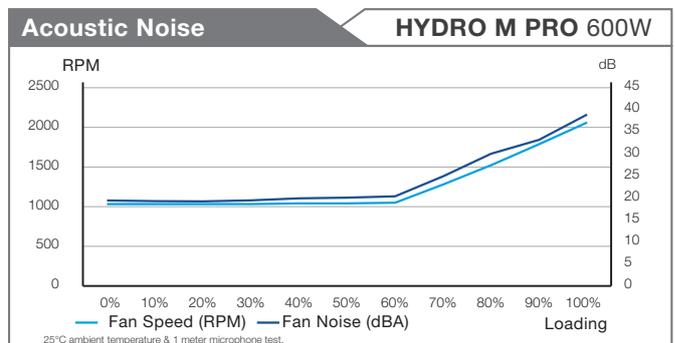
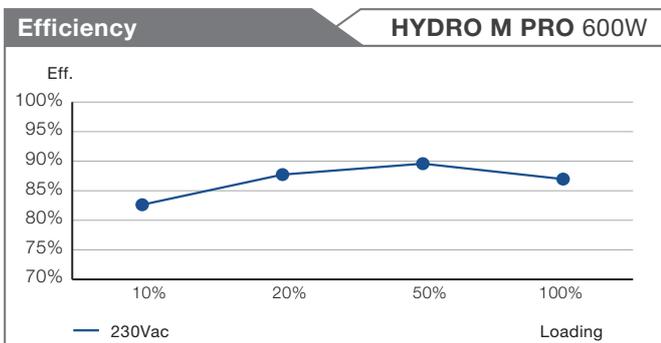
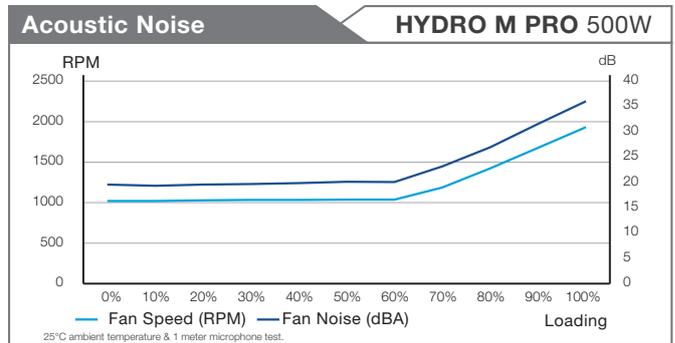
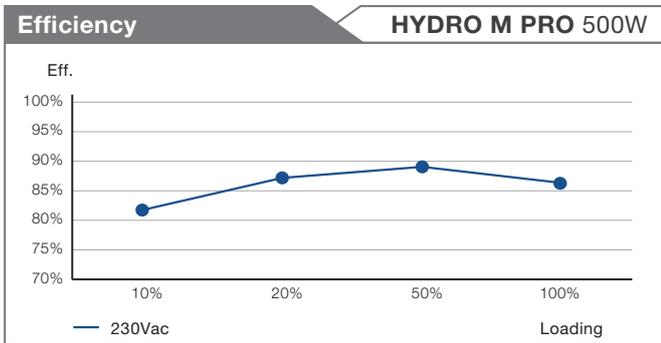




HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Performance

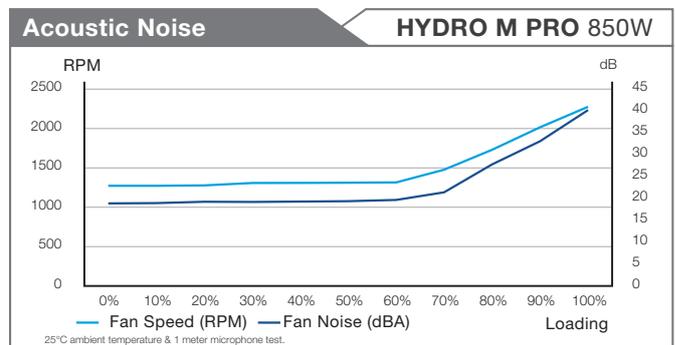
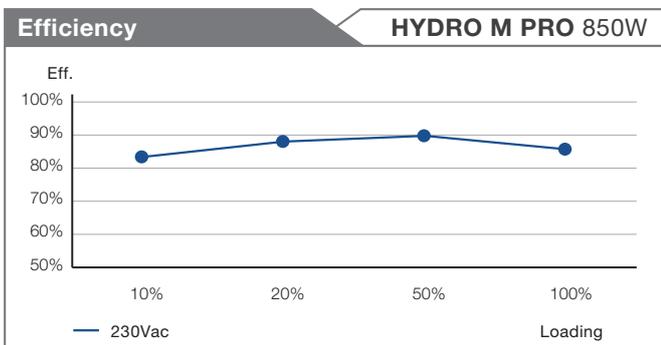
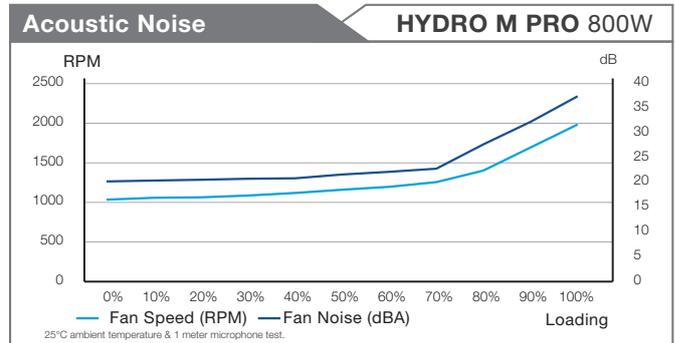
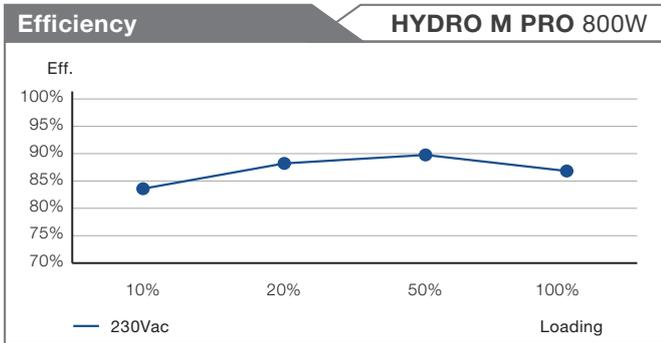




HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Performance





HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Rating

500W	AC Input	200-240V~ 4A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	41A	0.3A	2.5A
	Max Combined Power	100W		492W	3.6W	12.5W
	Total Power	500W				

600W	AC Input	200-240V~ 4.5A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	50A	0.3A	2.5A
	Max Combined Power	100W		600W	3.6W	12.5W
	Total Power	600W				

700W	AC Input	200-240V~ 5A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	58A	0.3A	2.5A
	Max Combined Power	100W		696W	3.6W	12.5W
	Total Power	700W				

750W	AC Input	200-240V~ 6A 50-60Hz				
	DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Max Output Current	20A	20A	62.5A	0.3A	2.5A
	Max Combined Power	100W		750W	3.6W	12.5W
	Total Power	750W				



HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Rating

800W

AC Input	200-240V~ 6A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	66.66A	0.3A	2.5A
Max Combined Power	100W		799.9W	3.6W	12.5W
Total Power	800W				

850W

AC Input	200-240V~ 6A 50-60Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output Current	20A	20A	70.83A	0.3A	2.5A
Max Combined Power	100W		850W	3.6W	12.5W
Total Power	850W				

Specifications



	500W	600W
Model	HP2-500M	HP2-600M
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	200-240V	200-240V
Input Current	4A	4.5A
Input Frequency	50-60Hz	50-60Hz
Output Capacity	500W	600W
Max. Output Power	500W	600W
Fan Type	HYB fan, 120mm	HYB fan, 120mm
Efficiency	88%	88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, OPP, SCP	OCP, OVP, OPP, SCP
Weight	kg	kg
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm

Specifications



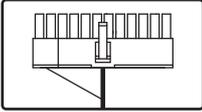
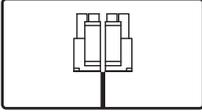
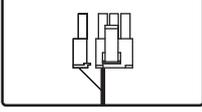
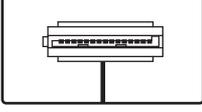
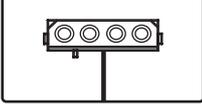
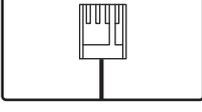
	700W	750W
Model	HP2-700M	HP2-750M
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	200-240V	200-240V
Input Current	5A	6A
Input Frequency	50-60Hz	50-60Hz
Output Capacity	700W	750W
Max. Output Power	700W	750W
Fan Type	HYB fan, 120mm	HYB fan, 120mm
Efficiency	88%	88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, OPP, SCP	OCP, OVP, OPP, SCP
Weight	kg	kg
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm

Specifications



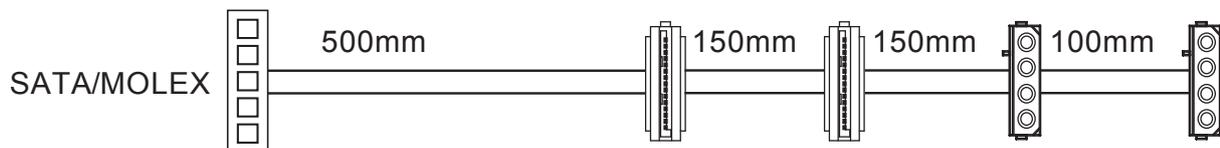
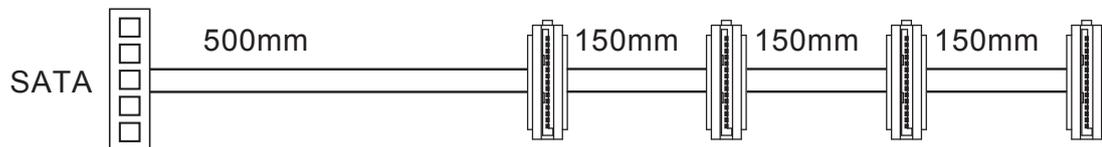
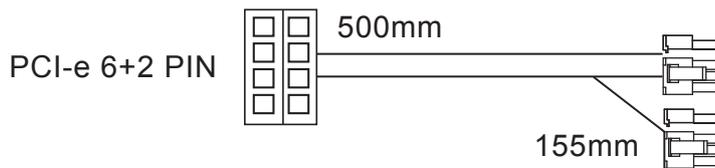
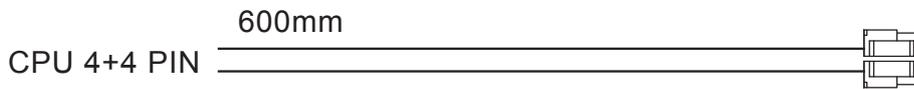
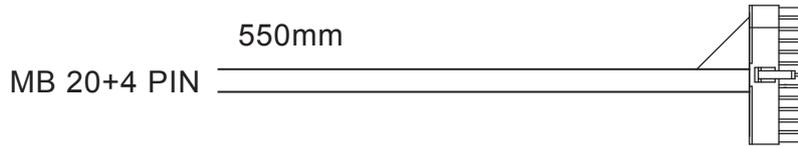
	800W	850W
Model	HP2-800M	HP2-850M
Type	ATX	ATX
PFC	Active PFC	Active PFC
Input Voltage	200-240V	200-240V
Input Current	6A	6A
Input Frequency	50-60Hz	50-60Hz
Output Capacity	800W	850W
Max. Output Power	800W	850W
Fan Type	HYB fan, 120mm	HYB fan, 120mm
Efficiency	88%	88%
MTBF	100,000 Hrs	100,000 Hrs
Protection	OCP, OVP, OPP, SCP	OCP, OVP, OPP, SCP
Weight	kg	kg
Dimension(L×W×H)	150 × 140 × 86 mm	150 × 140 × 86 mm

Connectors

	500W	600W	700W	750W	800W	850W
 MB 20+4 PIN	1	1	1	1	1	1
 CPU 4+4 PIN	1	1	2	2	2	2
 PCI-e 6+2 PIN	2	2	4	4	4	4
 SATA	6	6	8	8	8	8
 MOLEX	2	2	3	3	3	3
 FLOPPY	0	0	1	1	1	1

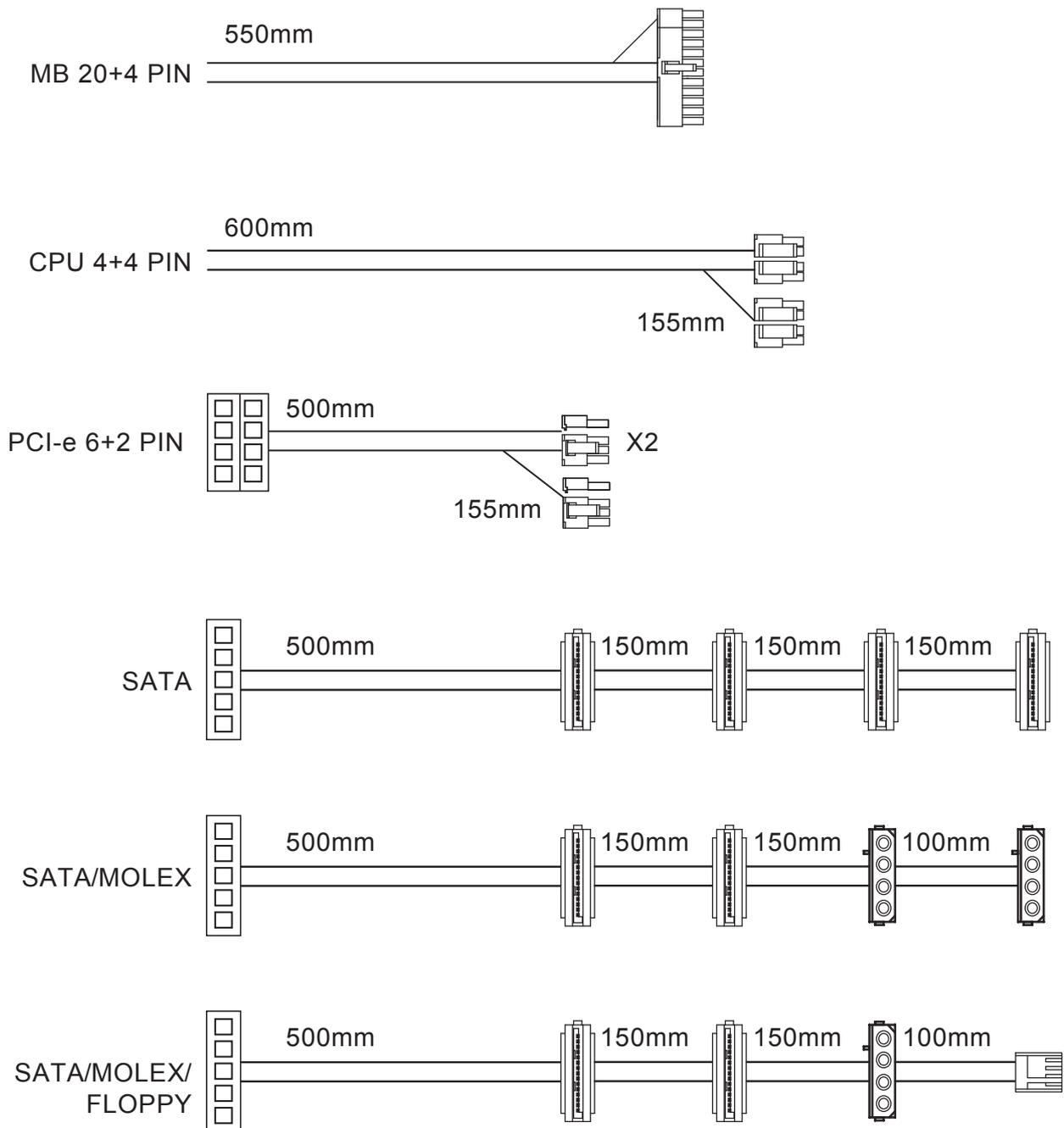
Cable Length

500W / 600W



Cable Length

700W / 750W / 800W / 850W





HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Package Information

Model	HP2-500M	HP2-600M	HP2-700M
EAN Code	471322452454 7	471322452453 0	471322452452 3
UPC Code	-	-	-
Shipping Dimensions (L×W×H)	255 × 200 × 95 mm		
Shipping Weights	1.67gs	2.019kgs	2.068kgs
Master Pack Dimension (L×W×H)	551 × 527 × 237 mm		
Master Pack Quantity	10 retail boxes per master package		
Master Pack Weight	16.7kgs	20.19kgs	20.98kgs
Pallet Quantity	160 pcs		
Country of Origin	China		
Warranty	5 Years		
Additional Information			



HYDRO M PRO Series

500W / 600W / 700W / 750W / 800W / 850W

Package Information

Model	HP2-750M	HP2-800M	HP2-850M
EAN Code	471322452583 4	471322452451 6	471322452582 7
UPC Code	-	-	-
Shipping Dimensions (L×W×H)	255 × 200 × 95 mm		
Shipping Weights		2.219kgs	
Master Pack Dimension (L×W×H)	551 × 527 × 237 mm		
Master Pack Quantity	10 retail boxes per master package		
Master Pack Weight		22.19kgs	
Pallet Quantity	160 pcs		
Country of Origin	China		
Warranty	5 Years		
Additional Information			