



MEAN WELL Low Profile Miniaturized Conduction Cooling Power Supply Family

Description

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MEAN WELL Low Profile
Miniaturized Conduction Cooling Power Supply Family



Are you still worrying about damage caused by long-term use of cooling fans, causing dust to accumulate, then overheating and damaging the power supply? Or is there excessive fan noise when the equipment is running? **MEAN WELL** has launched three series of conduction cooling, fanless power supplies – **LSP**, **UHP**, and **PHP**, which have the following four major advantages, and all of them are suitable for various indoor and outdoor equipment.



Highlights



Conduction Cooling
Fanless Design

Conduction heat dissipation is suitable for high dust environments or outdoor system applications, reducing the damage caused by fans accumulating dust.

Semi-potted for Dust-proof, Moisture-proof
proof Performance

The UHP series is filled silicon glue on the surface, which can be used in places with high dust or high humidity. It can withstand the effects of 5G vibration.

Low Profile
Miniaturized Design

CANBus/PMBu
Protocol

If your equipment has limited internal space and cannot be installed with a huge size power supply, most of the UHP series models are designed with 1U (<44mm), suitable for small spaces, and a full range of wattage from 160W to 3500W, providing a variety of industrial equipment.

UHP series design with DC OK signal function, combined with human interface. In addition, the provides a wide range of programmable output current (>1000W) and supports digital protocol (>1500W), which is convenient for customers to integration control.

Case Studies



Self-service Equipment (Kiosk)



Self-service equipment, which is commonly used in indoor ticket selling or public places, built-in computer systems and displays, combined with fanless UHP series, can solve noise problems, and the low-profile design also solves the problem of needing to use it in narrow spaces.

Indoor Small Pitch LED Display



With the development of LEDs in smaller sizes, the resolution of display has increased again, and indoor displays are suitable to use with UHP series for movie theaters, conference centers, film shooting scenes and others. In addition, the UHP series like the semi-potted units, can effectively prevent high humidity and can be used for outdoor systems.

3D Printer



When operating a 3D printer, fans and fan are operated at the same time, which may be accompanied by a deal of noise. This problem may distract the user. The fanless UHP series allows users to concentrate on the work without noise issues and at the same time increases the reliability of the system.

Model in Use: [UHP-200-24](#)

Model in Use: [UHP-350-5](#)

Model in Use: [UHP-500-24](#)

Choosing a suitable conduction cooling power supply

	Series Name	Potted	Cooling Methods	Dimension (mm)	V
	LSP-160	V	Conduction	194x55x20	
	UHP-200	V	Conduction	194x55x26	
	UHP-350	V	Conduction	220x62x31	
	UHP-500	V	Conduction	232x81x31	
	UHP-750	V	Conduction	237x100x41	
	UHP-1000	V	Conduction	240x115x41	
	UHP-1500	V	Conduction	290x140x41	
	UHP-2500	Footer Tagline â€”	Conduction Water-cooling	310x140x60	

Category

1. Ewave
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