

HLK 40M12 Power Supply Module



HLK 40W power module is a small volume, high efficiency module power supply designed by Hi-Link Electronics for customers with advance Gallium Nitride chipset.

It has the global input voltage range, low temperature rise, low power consumption, high efficiency, high reliability, high security isolation and so on.

It can widely use in smart home, automation, communications equipment, instrumentation and other industries.

FEATURES:

- Ultra-thin, ultra-small, the industry's smallest volume.
- Global universal input voltage (90 ~ 264VAC)
- Low-power, green, no-load loss <0.1W
- Low ripple, low noise
- Good output short circuit and overcurrent protection and self-recovery
- High efficiency, high power density
- Input and output isolation voltage 3000VAC
- 100% full load aging and testing
- High reliability, long life design, continuous working time is greater than 100,000 hours
- Meet UL, CE requirements. Product design to meet EMC and safety testing requirement
- Using high-quality environmentally friendly waterproof plastic potting, moisture, vibration, water & dust to meet IP65 standards
- Economic solutions, cost-effective
- No external circuit to work

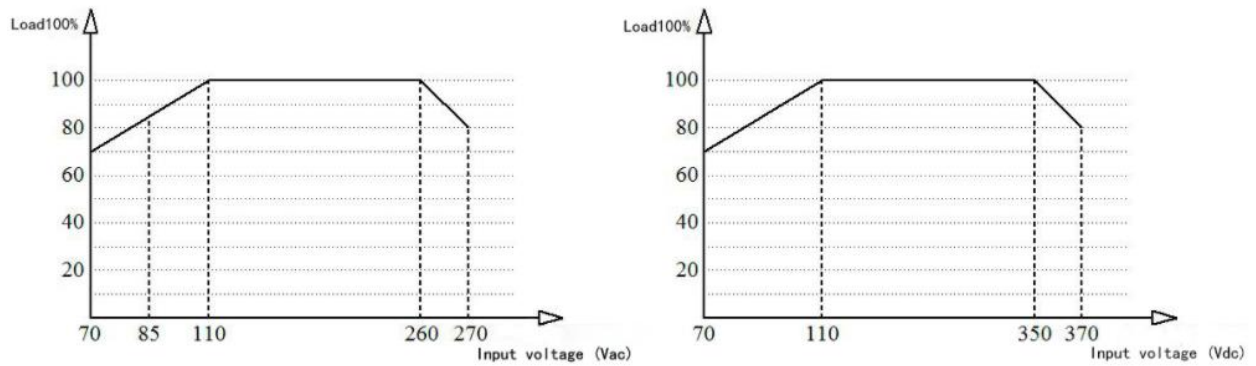
SPECIFICATIONS:

- Hi-link part number: HLK-40M12
- Morsun part number:
- Power: 40W
- Package size: 56*32*22.5 mm
- Input voltage range: 110-220V
- Output voltage: 12V
- Output current: 3300mA
- Connection mode: Series switching power supply
- Voltage regulating mode: Width modulation type
- Isolation voltage: 3000Vdc
- Output type: Single

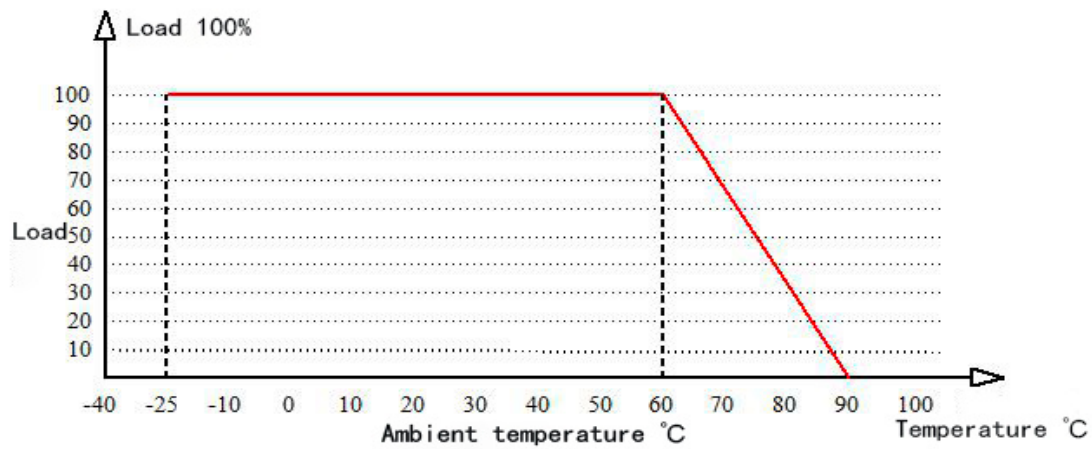
ENVIRONMENTAL CONDITION:

Item name	Technical Indicators	Unit	Notes
Working temperature	-25~+60	°C	
Storage temperature	-40~+80	°C	
Relative humidity	5~95	%	
Thermal methods	Natural cooling		
Atmosphere pressure	80~106	Kpa	
Attitude	<=2000	m	
Vibration	Vibration coefficient 10~500Hz,2G10min./1cycle,60min each along X,Y,Z areas		Meet the second-class road transport requirement

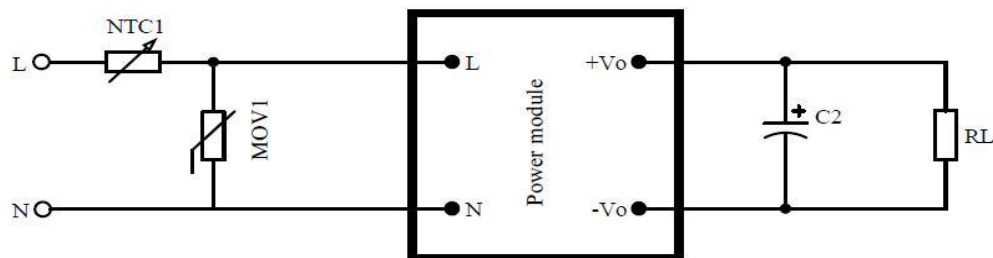
INPUT VOLTAGE AND LOAD CHARACTERISTICS:



WORKING ENVIRONMENT TEMPERATURE AND LOAD CHARACTERISTICS:



TYPICAL APPLICATION CIRCUIT





Certificate of Conformity

Certificate No. : HTT202006309E
Applicant : Shenzhen Hi-Link Electronics Co., Ltd.
Applicant Address : 3/F, West Gate, Caiyue Building, 24 Liuxian Avenue,
Longhua, Shenzhen
Manufacturer : Shenzhen Hi-Link Electronics Co., Ltd.
Manufacturer Address : 3/F, West Gate, Caiyue Building, 24 Liuxian Avenue,
Longhua, Shenzhen
Product : Power module
Model No. : HLK-5M05, HLK-5M03, HLK-5M04, HLK-5M06,
HLK-5M09, HLK-5M12, HLK-5M15, HLK-5M24
Trademark : N/A

The following products have been tested by us with listed standards and found in compliance with the council EMC 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC.

Test standards:	Report(s) Number	Issued By	Issued Date
EN 55032: 2015+AC:2016+A11:2020 EN 55035: 2017+A11:2020 EN IEC 61000-3-2: 2019 EN 61000-3-3:2013+A1:2019	HTT202006309ER	HTT	Jun.29,2020

This certificate of conformity is not transferable and based on an evaluation of a sample of the above mentioned product.



Authorized Signer:

Kevin Yang

Kevin Yang/Senior Manager

Date: Jun.29,2020

