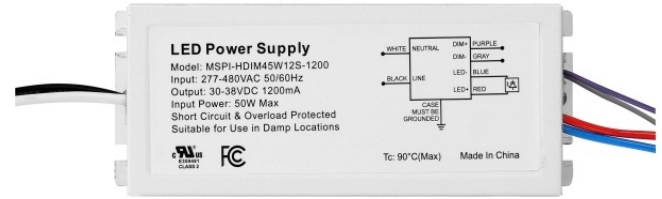


Product Features

- Constant current power supply.
- Dimming controls: 1-10Vdc, PWM or resistor.
- Input voltage range : 277 ~ 480Vac
- Active power factor > 0.9.
- High efficiency, high reliability and long lifespan.
- Protections: Overload protection, Short circuit protection and Open circuit protection.
- Surge Protection: L-N: 2kV,L/N-PE: 4kV.
- Class 2 output.



Description

The MSPI-HDIM45W12S-XXXX series input voltage ranges from 277 to 480Vac, which has the advantages of high efficiency, reliability, long service life and so on. All aspects of protection, including overload protection, short circuit protection and open circuit protection, ensure the accessible operation of this product.

Model List

Model	Output Current	Input Voltage Range (1)	Output Voltage Range	Max. Output Power	Power Factor (2)	Efficiency (2)
MSPI-HDIM45W12S-1200	1200mA	277~480Vac	30~38Vdc	45.6W	0.97	92%
MSPI-HDIM45W12S-1020	1020mA	277~480Vac	30~38Vdc	38.76 W	0.97	91%
MSPI-HDIM45W12S-850	850mA	277~480Vac	30~38Vdc	32.3 W	0.96	90%

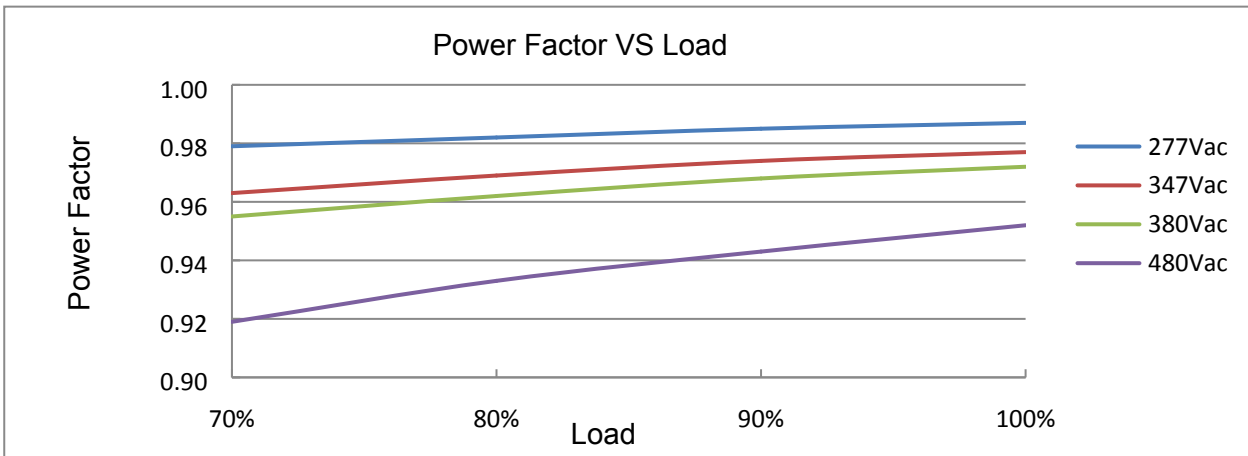
Note: 1. UL and FCC Certified input voltage range: 277 ~ 480Vac.

2. Default tested at 380Vac, full load, Ta 25°C.

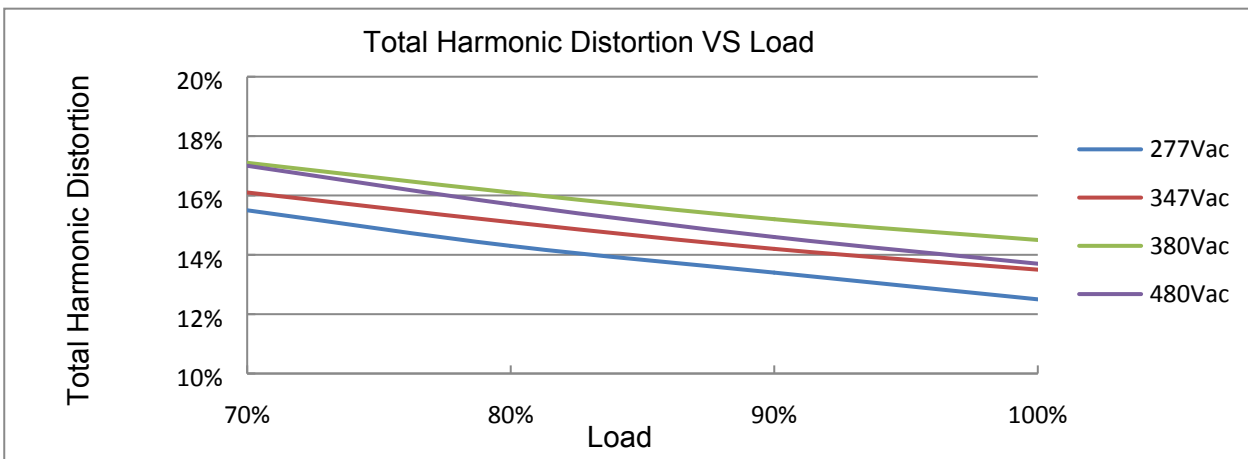
Input Specifications

Parameter	Min	Typ.	Max	Remarks
AC input range	277Vac	-	480Vac	
Input frequency range	47Hz	-	63Hz	
Leakage Current	-	-	0.45mA	L, N-PE @1960Vac.
Input AC Current	-	-	0.21A	277Vac, 100% full load.
Power Factor	0.9	-	0.99	277~480Vac, 75%~100% full load.
THD	-	-	20%	277~480Vac, 75%~100% full load.

Power Factor Curves

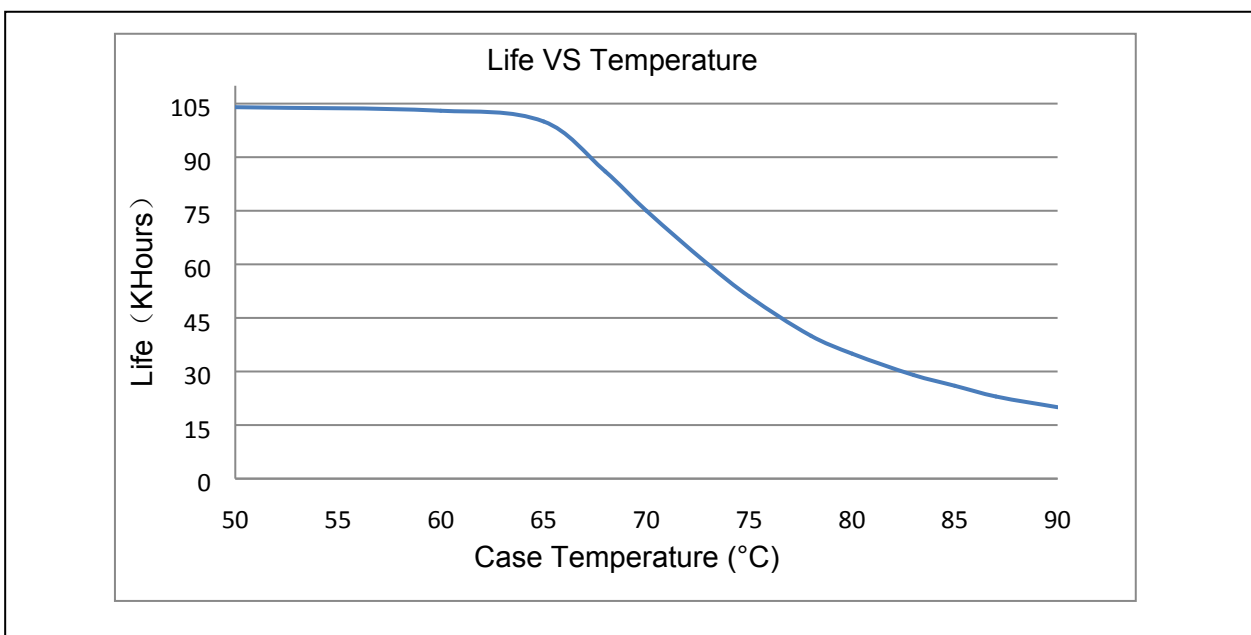


Total Harmonic Distortion Curves

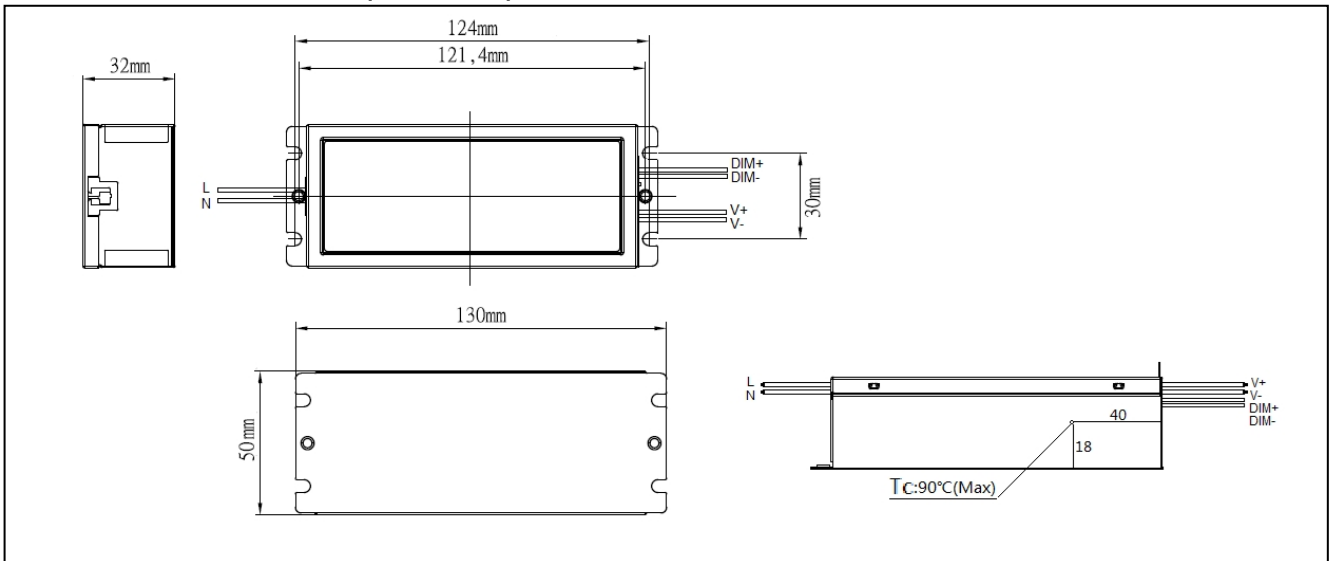


Note: The above data is derived from the MSPI-HDIM45W12S-1200 test.

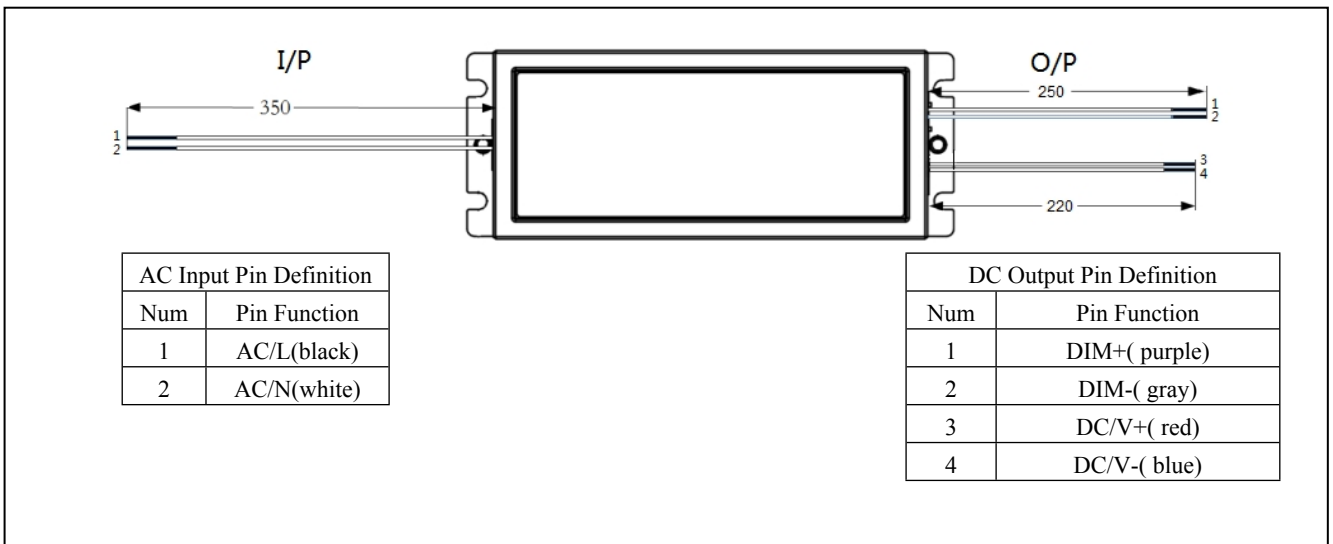
Life curve



Mechanical Dimensions (Unit: mm)



Recommended Mounting Direction



Block diagram

