TECHNICAL
DATA SHEET

PBL130S-120 PBL130S-240 PBL130S-480

PHIHONG

DESCRIPTION

This 130W open frame power supply delivers high-density performance and reliable efficiency, providing a compact yet powerful energy backbone for demanding industrial applications.

Features

Class B EMI
High Efficiency Performance
OVP, OCP, SCP, OTP Protections
Operating Altitude: 5,000M

Applications

PoE & IoT

Certifications & compliance

IEC/EN/UL 62368-1
CE/FCC

Technical Summary

Parameters	Value
Input Voltage range	100-240VAC
Output voltage	PBL130S-120 12V, PBL130S-240 24V, PBL130S-480 48V
Efficiency	PBL130S-120 91% typ. (main output @ 230Vac / 50Hz, full load) PBL130S-240 93% typ. (main output @ 230Vac / 50Hz, full load) PBL130S-480 92.5% typ. (main output @ 230Vac / 50Hz, full load)
Output power	PBL130S-120 129.96W with Fan; PBL130S-240 & ATM130A5-F480 130.10W with Fan
Dimensions	L 76.2 × W 50.8 × H 28 (mm)/ L 2" x W 3" x H 1.1" (inch)
Weight	Open Frame : 120g (Ref.)

Contact Us for more info www.phihong.com +510-445-0100

TECHNICAL DATA

Input

AC input voltage	100-240Vac
Line Frequency	50-60Hz
AC input current	1.6A-0.7A
Protection	Internal Primary Current Fuse

Output

Load Regulation	± 3% (Typical)
Ripple & Noise	≤1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS for 50% Load Change Typical
Start-up Time	< 3,000mS
Hold-up Time	≥10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection/ Over Voltage Protection/ Over Current Protection/ Over Temperature Protection

Safety Approvals

Approvals	CB / UL / cUL/ FCC/ CE/ T-mark

Electrical

Topology	LLC
Dielectric Withstand	4,000VAC Primary - Secondary
Touch Current	<100μA
Earth Leakage Current	<5mA
Efficiency	Meet DoE Level VII, ErP Stage 2
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

Environmental

Operating Temperature	-20 to +50°C
Storage Temperature	-20 to +80°C
Operating Altitude	5,000M
Relative Humidity	Operating: 20 to 80% RH
	Storage: 10 to 90% RH
Cooling	100W with Convection Cooling 130W with Forced Cooling

Mechanical

Dimension	L 76.2 × W 50.8 × H 28 (mm) L 2" x W 3" x H 1.1" (inch)
Weight	Open Frame : 120g (Ref.)

PHIHONG 50 YEARS OF HISTORY IN THE POWER SUPPLIES INDUSTRY

Since its founding in 1972, Phihong has emerged as a prominent power supply company, serving as a key supplier of solutions for consumer, mobile/portable, enterprise, telecom, datacom, and industrial applications.