UNIFIVE

UNDE 90W B Series

I.C.T./AV AC/DC Adaptor
Lithium battery charging

▲ **UNDEI3090 B**   ▲ **UNDEB3090 B**

PSE CE UKCA FCC VI

■ Please contact our sales department for safety standard of each model.

| Safety Certificate | Reliability Guarantee | Energy Saving | RoHS 2 | EMC | PFC | Inrush Current |

Product Highlights

- Stability
- Energy and High Efficiency
- Support CC/CV charging mode
- Charge safely
- Suitable for E-bike/charging equipment

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection （Optional）

Safety Standrd

- 62368-1
- PSE 別表第八

Efficiency

- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430
- Meet DOE VII Draft

Emissions

- FCC
  - FCC Part15-B
- CE
  - EN(CISPR)55032-B
- VCCI-B
- BS EN 55032

Immunity

- EN55035
- BS EN 55035

The above specifications include the following test standards

✓ EN61000-4-2
✓ EN61000-4-3
✓ EN61000-4-4
✓ EN61000-4-5
✓ EN61000-4-6
✓ EN61000-4-8
✓ EN61000-4-11

Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	
Power Factor — ACIN 100V	0.9	-	-	-	
Power Factor — ACIN 230V	0.9	-	-	-	

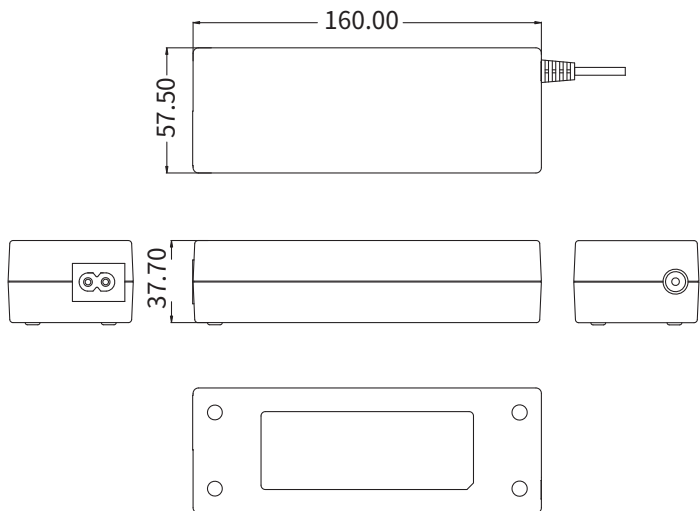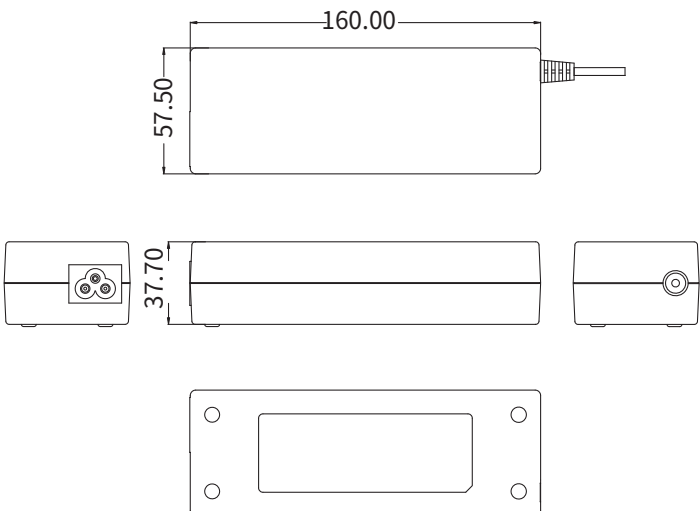| Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea Level
Storage Temperature	-20	-	65	°C	Free Convection,Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UNDEx3090-168053BA	16.8V	5.3A	±5%	200mV	200mV	88.0%	0.21W	
UNDEx3090-252035BA	25.2V	3.5A	±5%	300mV	300mV	88.0%	0.21W	
UNDEx3090-420020BA	42.0V	2.0A	±5%	300mV	300mV	88.0%	0.21W	

■ Measurement Condition
1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec

UNDEI3090 B Series	UNDEB3090 B Series

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