

# UNDE 120W B Series

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



▲ UNDEC3120 B



▲ UNDET3120 B



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



## 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 Standard

- 60950-1
- 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

## 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  | -       | -    | -     |         |
|              | 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 |
|--------------------|-------------------|-------------------|--------------------------|--------|-------|---------------------------|---------------------------|-----------------|
| UNDEx3120-136088BA | 13.6V             | 8.8A              | ±5%                      | 240mV  | 240mV | 88.0%                     | 0.1W                      |                 |
| UNDEx3120-272044BA | 27.2V             | 4.4A              | ±5%                      | 360mV  | 360mV | 88.0%                     | 0.1W                      |                 |
| UNDEx3120-544022BA | 54.4V             | 2.2A              | ±5%                      | 480mV  | 480mV | 88.0%                     | 0.1W                      |                 |

■ 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

| UNDEC3120 B Series | UNDET3120 B Series |
|--------------------|--------------------|
|                    |                    |

■ Please contact our sales department for details of each model ■