

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

- 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%	0.21W	
UNDEx3120-272044BA	27.2V	4.4A	±5%	360mV	360mV	88.0%	0.21W	
UNDEx3120-420030BA	42.0V	3.0A	±5%	480mV	480mV	88.0%	0.21W	
UNDEx3120-546022BA	54.6V	2.2A	±5%	480mV	480mV	88.0%	0.21W	

■ Measurement Condition

- Measurements shall be made with an oscilloscope with 20MHz bandwidth.
- Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF Low ESR electrolytic capacitor to simulate system loading.

Mechanical Spec

UNDEC3120 B Series	UNDET3120 B Series

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