

# UNDE 90W Series

## I.C.T./AV AC/DC Adaptor Standard Product



▲ UNDEI3090



▲ UNDEB3090



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



### Product Highlights

- Stability
- Energy and High Efficiency
- Suitable for audio, video, information and communications technology equipment

### Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection

### 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
UNDEx3090-120075SA	12.0V	7.5A	±5%	300mV	400mV	88.00%	0.21W	
UNDEx3090-150060SA	15.0V	6.0A	±5%	300mV	400mV	88.00%	0.21W	
UNDEx3090-190047SA	19.0V	4.73A	±5%	300mV	400mV	88.00%	0.21W	
UNDEx3090-240037SA	24.0V	3.75A	±5%	300mV	400mV	88.00%	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 Series	UNDEB3090 Series

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