UNDG 45W Series

I.C.T./AV AC/DC Adaptor
USB PD
USB-C(With Cable)/GaN Mosfet Technology

▲ **UNDGI3045**

Safety Certificate | Reliability Guarantee | Energy Saving | RoHS 2 | EMC | LPS | GaN-MOSFET

Quick Charge | Charging | USB CHARGER PD Power Delivery

PS E CE UK CA FC VI

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

Product Highlights

- Stability
- Energy and High Efficiency
- Small size
- Mobility
- Support PD/ PPS/ QC/Apple mode
- Suitable for mobile phone/portable device, etc.

Protection

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

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
- 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	

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

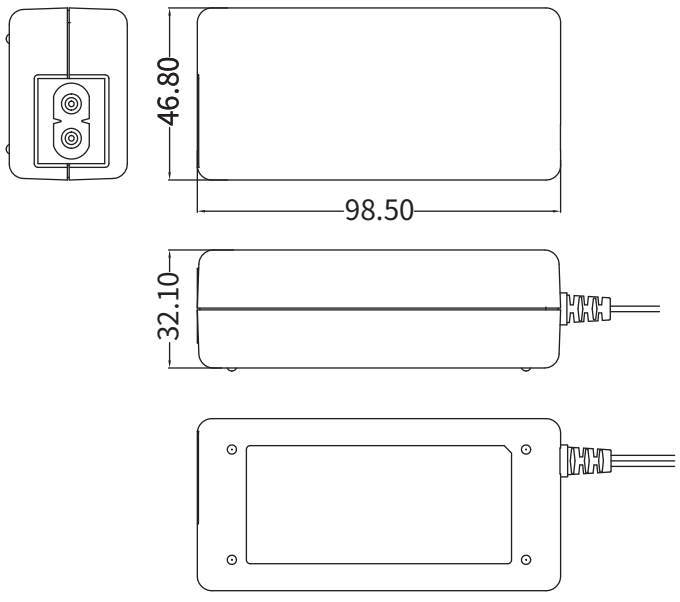
Typical model list

Output Condition	Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
USB-C	UNDGI3045-200022CA	5.0V	3.0A	±5%	250mV	250mV	81.39%	0.1W	PD
		9.0V	3.0A	±5%	250mV	250mV	86.62%	0.1W	
		12.0V	3.0A	±5%	250mV	250mV	87.40%	0.1W	
		15.0V	3.0A	±5%	350mV	350mV	87.73%	0.1W	
		20.0V	2.25A	±5%	350mV	350mV	87.73%	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

UNDGI3045 Series



Please contact our sales department for details of each model