

UHDE 60W P Series

Home Electronics and Appliances AC/DC Adaptor Peak Power



▲ UHDEI3060-XXXXXXPA



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



Product Highlights

- Stability
- Energy and High Efficiency
- LED Display (Optional)
- Peak load 11 sec function
- The peak load can reach up to 170% of the rated output.
- Suitable for home appliances
- Suitable for equipment which meet 60335

Protection

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

Safety Standard

- 61558-1
- 60335-1
- 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)55014-B
- VCCI-B
- BS EN55014-1

Immunity

- EN55014-2
- BS EN55014-2

The above specifications include the following test standards

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

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

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	DC Output Peak Current	Peak Time (Tp)	Duty	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UHDEI3060-120050PA	12.0V	5.0A	±5%	240mV	480mV	8.5A	11sec	0.2	88.00%	0.21W	
UHDEI3060-150040PA	15.0V	4.0A	±5%	240mV	480mV	6.8A	11sec	0.2	88.00%	0.21W	
UHDEI3060-190031PA	19.0V	3.15A	±5%	240mV	480mV	5.35A	11sec	0.2	88.00%	0.21W	
UHDEI3060-240025PA	24.0V	2.5A	±5%	240mV	480mV	4.25A	11sec	0.2	88.00%	0.21W	

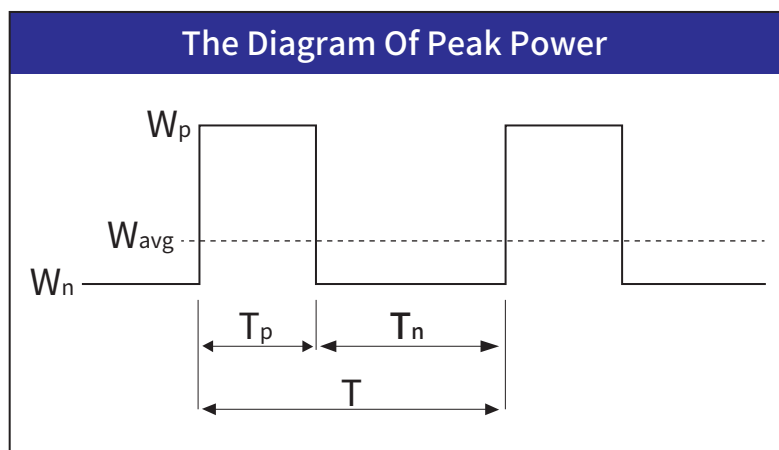
■ Measurement Condition

- 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.
- It is not recommended to exceed the peak load specification value, as it may cause damage to the power supply. If the application range exceeds the calculated value, please contact us.

Peak power

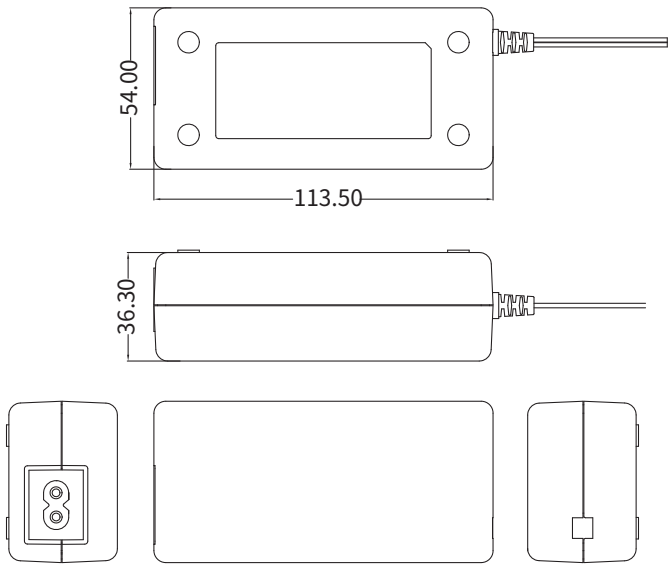
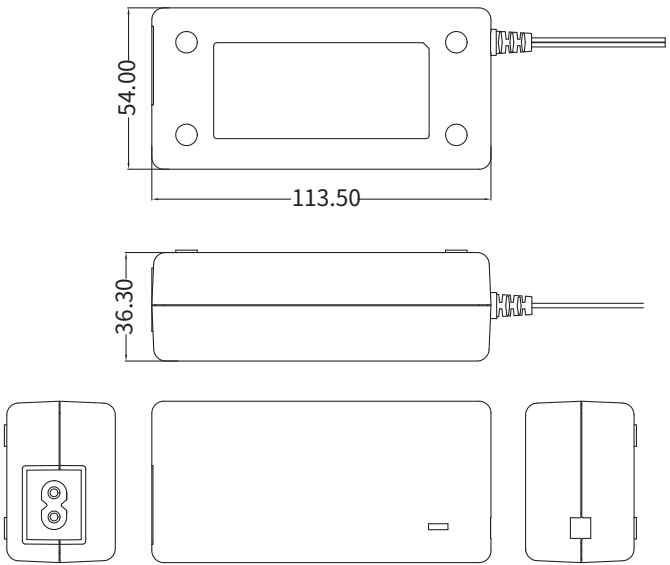
$$W_{avg} = \frac{W_p \times T_p + W_n \times (T - T_p)}{T} < W_{rated}$$

$$Duty = \frac{T_p}{T}$$



- W_{avg} : The average of output (W)
- W_p : The peak output power (W)
- W_n : Off-peak output power (W)
- W_{rated} : Rated output power (W)
- T_p : The time of peak power (sec)
- T_n : Off-peak output power (sec)
- T : Time (sec)

Mechanical Spec

UHDEI3060 Series	UHDEI3060/LED Series
	



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