

# OKdo Multihead 36W Dual Port Power Supply 243-6356



## Product Details

The OKdo 36W Power Supply (PSU) provides two output ports for the widest compatibility with today's electronics. The PSU is compatible with the USB Power Delivery (PD) and Qualcomm® Quick Charge™ (QC) standards to offer fast charging capabilities while remaining backwards compatible with legacy 5V USB products.

The multihead PSU comes with an inbuilt USA 2 pin plug and three international heads including UK, Europe and Australia.

Use the power supply to quickly charge mobile phones, laptops, power monitors, Single Board Computers (SBC), quickly charge power banks and more.

Equipped with both traditional USB Type-A and USB Type-C™

allows users to continue using existing cables while migrating to type-C to type-C cables which are growing with popularity. Note that the USB-A port can operate up to 12V which is ideal for many SBCs while the USB-C™ port can negotiate up to 20V where required.



## Features and Benefits

- USB PD and QC compatible
- USB-A port output supports 5.0V 3A, 9.0V 2A, 12V 1.5A
- USB-C port output supports 5.0V 3A, 9.0V 3A, 12V 2.91A, 15V 2.3A, 20V 1.75A
- Total 36W max output power
- Efficiency level VI

## Package Contents

USB PSU with USA connector	X 1
EU head	X 1
UK head	X 1
AUS head	X 1

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## Technical Specifications

### Output

Output voltage range	<b>5V – 20V as negotiated</b>
Rated output power	<b>36W</b>
Ripple & noise	Measurement is conducted using a 20MHz bandwidth oscilloscope and the output paralleled with a 0.1uF ceramic capacitor and a 47uF electrolytic capacitor. <b>200mVp-p</b>
Rise time	<b>100ms max at 100Vac input and output max load</b>
Turn-on delay	<b>3 second max at 100Vac input and output max load</b>
Short circuit protection	<b>Yes</b>
Overcurrent protection	<b>Yes</b>
Over temperature protection	<b>Yes (Internal limit below 105°C)</b>
Output ports	<b>1x USB-A, 1x USB-C</b>
Overshoot	<b>&lt;=10% during power supply switched on/off</b>

### Combined load/line regulation

	Voltage	Min. Load	Max Load	Load Regulation	Unloaded output voltage
USB-A	+5V	0A	3.0A	4.75V-5.25V	4.75V-5.25V
USB-A	+9V	0A	2.0A	8.55V-9.45V	8.55V-9.45V
USB-A	+12V	0A	1.5A	11.4V-12.6V	11.4V-12.6V
TYPE-C	+5V	0A	3.0A	4.75V-5.25V	4.75V-5.25V
TYPE-C	+9V	0A	3.0A	8.55V-9.45V	8.55V-9.45V
TYPE-C	+12V	0A	2.91A	11.4V-12.6V	11.4V-12.6V
TYPE-C	+15V	0A	2.33A	14.25V-15.75V	14.25V-15.75V
TYPE-C	+20V	0A	1.75A	19V-21V	19V-21V

### Simultaneous dual port usage

USB-A	+5V	0A	3.0A	4.75V-5.25V	4.75V-5.25V
USB-A	+9V	0A	2.0A	8.55V-9.45V	8.55V-9.45V
USB-A	+12V	0A	1.5A	11.4V-12.6V	11.4V-12.6V
TYPE-C	+5	0A	3A	4.75V-5.5V	4.75V-5.25V
TYPE-C	+9V	0A	2A	8.55V-9.45V	8.55V-9.45V

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## Input

Input voltage	Rated: 100 – 240 Vac, Variable 90V-264Vac
Frequency	50/60Hz, tolerance 47-63Hz
Current	1.0A max
Power consumption (no load)	0.3W max
Inrush current	60A max cold start at 240Vac input, with rated load at 25C ambient
AC leakage current	0.25mA max at 240Vac input

## Environment

Operating ambient temperature	0°C ~ +35°C full load, normal operation
Storage temperature	-20°C ~ +70°C
Relative humidity	5%(0°C) ~ 90%(35°C) Full load, normal operation
Weight	124.3g ±20g
Volume	L52.8mm x W57mm x H30.6mm

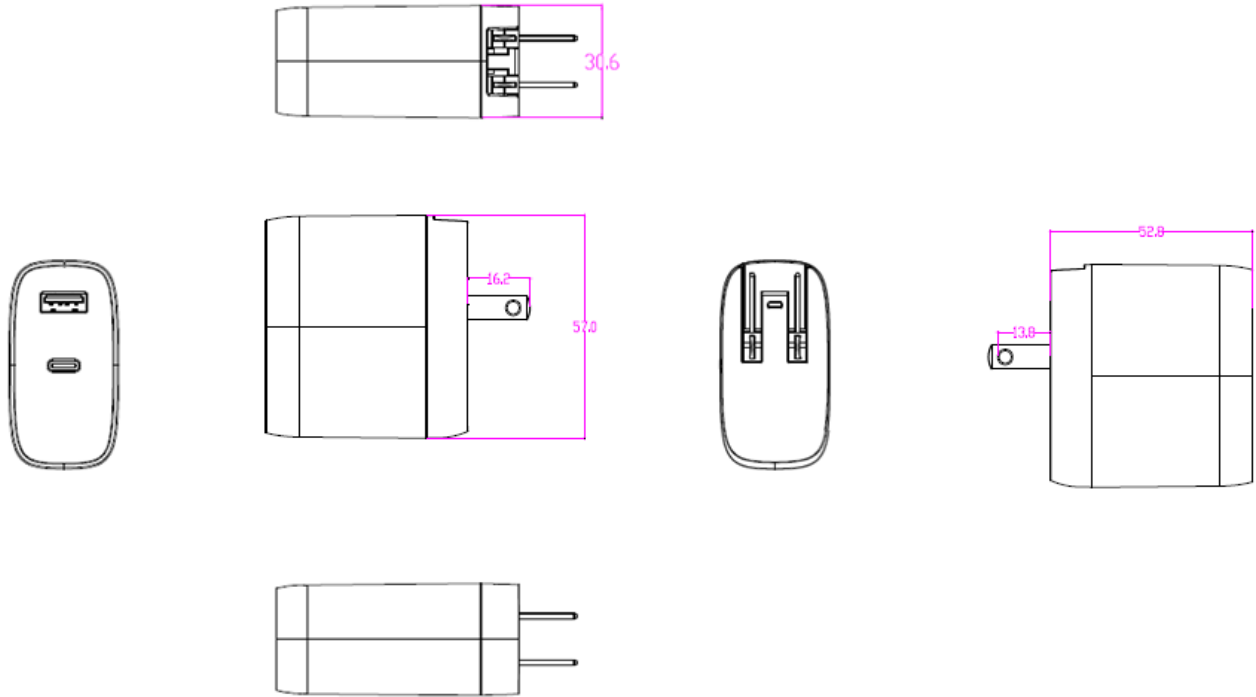
## Approvals

REACH CA65	Yes
IEC60950-1	Yes
GB4943.1	Yes

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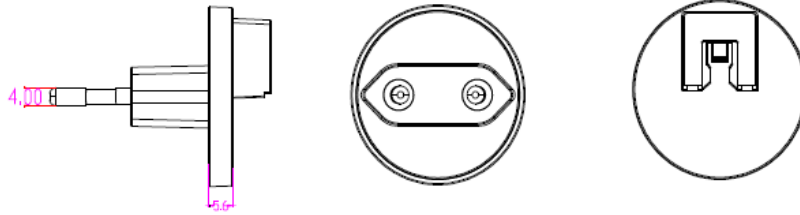
## Technical Drawings



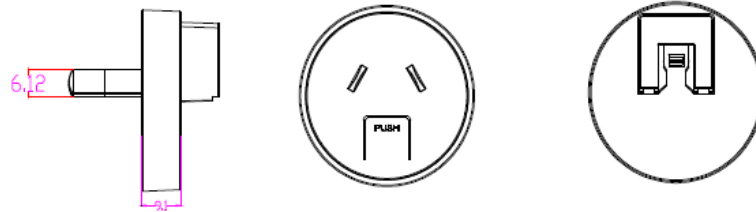
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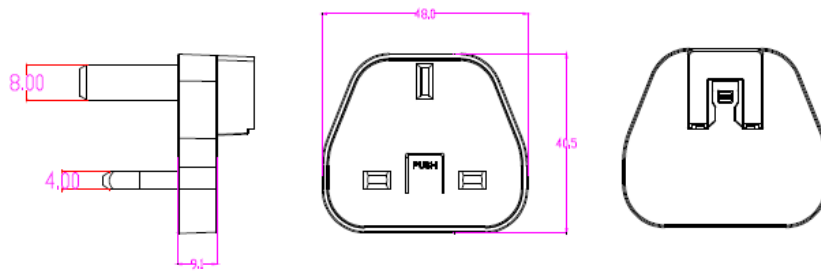
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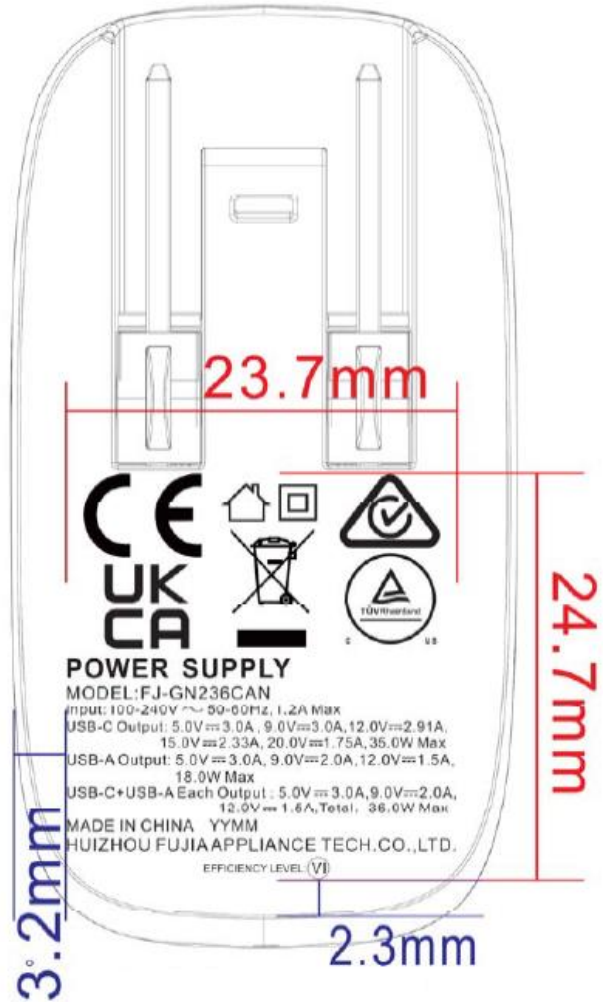
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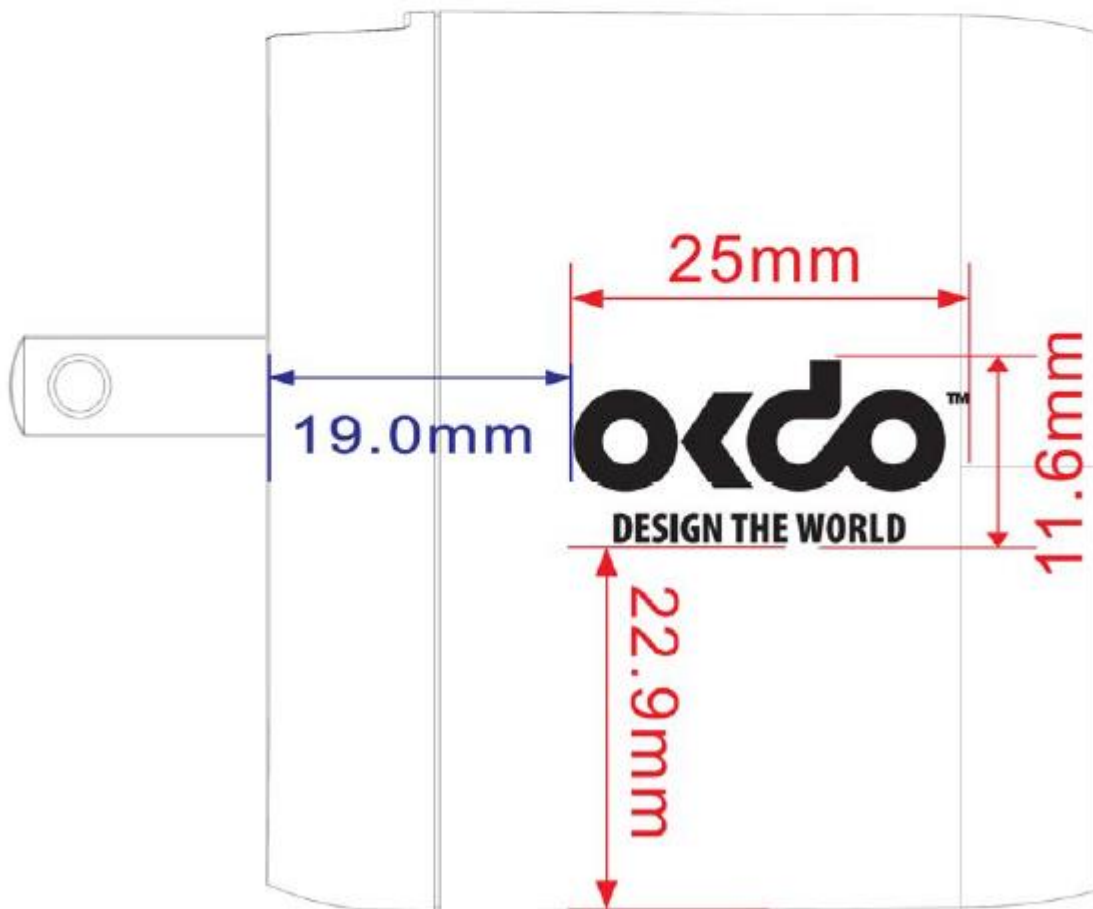
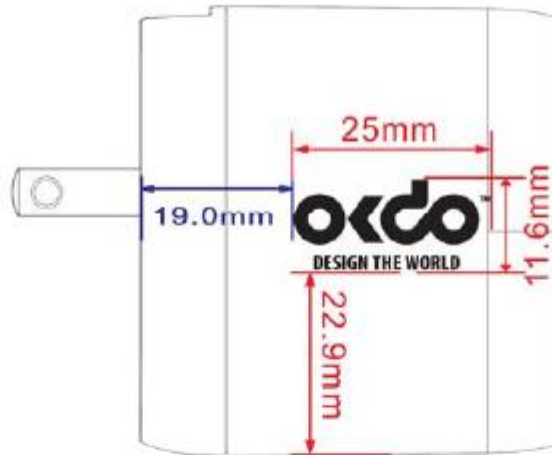
BS



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