

# UNWGU 65W

## USB PD/QC



▲ UNWGU3065



For further information of UNWGU 65W series' safety standard, please contact us.

Universal Input	High Efficiency	LPS	EMC Optimization	Reliability	SCP	OVP
GaN Mosfet built-in	Foldable Pin	Quick Charge	Power Delivery	RoHS 2	OCP	OTP
<b>UNIFIVE Guarantee</b>						

## Model Name Definition

**U x W G U 3 0 6 5 -**

①    ②    ③    ④    ⑤    ⑥

### Standard Code

- Audio / AV / IT
- N 62368-1
- A 60065-1
- I 60950-1

- ① Developed by UNIFIVE
- ② Standard Code
- ③ Series Code
- ④ Input 100V/240V
- ⑤ Output Power (W)
- ⑥ Detail Information

## Highlight

- GaN mosfet built-in
- Stability
- Compact design
- PD3.0, PPS, and QC4+ supported

## Standard\*

- Audio / AV / IT  
62368-1\*\*  
60065-1  
60950-1
- DoE/ErP Level VI
- Commision Regulation(EU)  
2019/1782
- DoE 10 CFR pt. 429 & 430
- PSE

\* UNWGU 65W series is designed to MEET all standards above.

\*\*Opt for IEC/UL 62368, other than 60065 and 60950, compliant products for advanced and comprehensive safety protection.

## Efficiency

- Up to

86%

## EMS Compliance

- EN55032
- EN61000-3-2
- EN61000-3-3
- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11

## Emissions

- FCC-B
- CISPR32
- VCCI-B
- CNS13438

## Immunity

- EN 55035

## Electrical Spec

### Input

Description	Min.	Typ.	Max.	Units
Voltage	90	100~240	264	Vac
Frequency	47	50/60	63	Hz

### Environmental

Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	35	°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

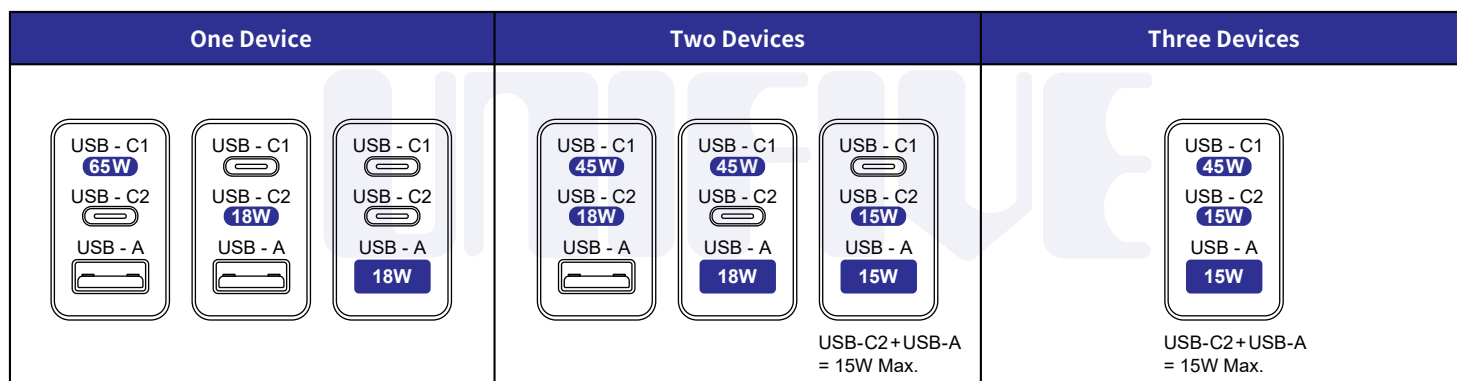
## Typical model list

Model Name	Output Condition	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption
UNWGU3065-200032TA	USB-C1	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W
		9.0V	3.0A	±5%	100mV	200mV	80.82%	0.3W
		12.0V	3.0A	±5%	100mV	200mV	82.98%	0.3W
		15.0V	3.0A	±5%	100mV	200mV	84.65%	0.3W
		20.0V	3.25A	±5%	100mV	200mV	86.00%	0.3W
	USB-C2	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W
		9.0V	2.0A	±5%	100mV	200mV	77.78%	0.3W
		12.0V	1.5A	±5%	100mV	200mV	77.78%	0.3W
	USB-A	5.0V	3.0A	±8%	100mV	200mV	76.41%	0.3W
		9.0V	2.0A	±5%	100mV	200mV	77.78%	0.3W
12.0V		1.5A	±5%	100mV	200mV	77.78%	0.3W	

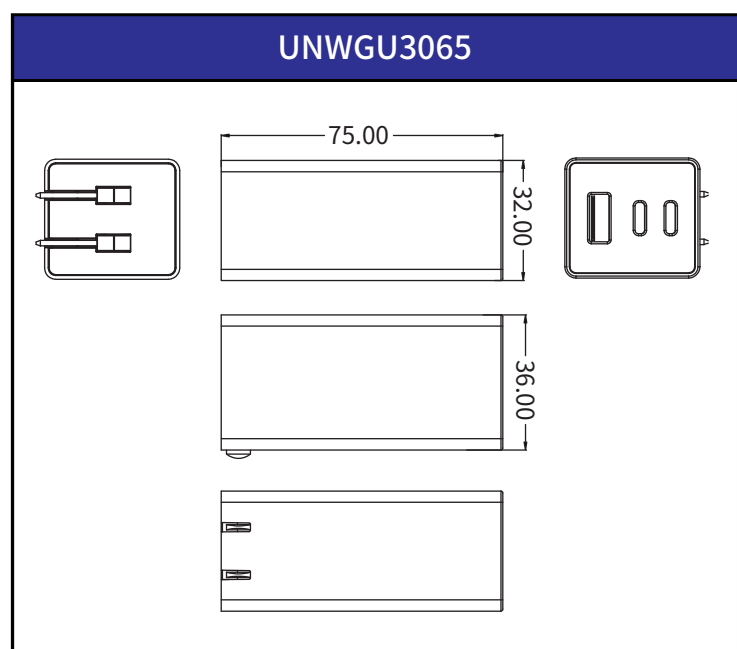
■ Measurement Condition

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.

## Multi-charging Mode



## Mechanical Spec



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