SERIES: SWI65CC-N | **DESCRIPTION:** AC-DC POWER SUPPLY

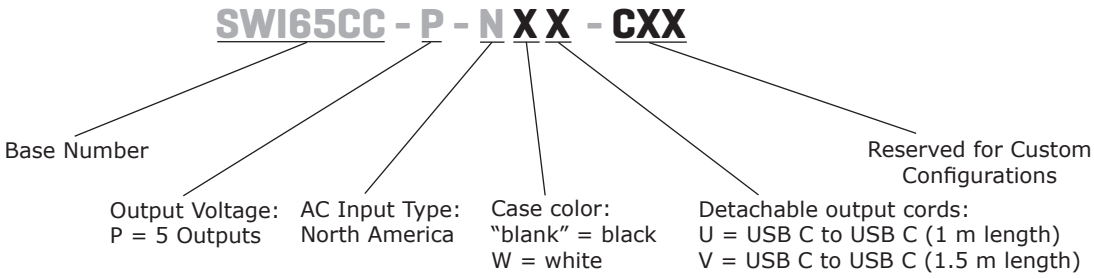
FEATURES

- up to 65W of continuous power
- North America flip-blade input
- 2 integrated USB-C ports
- compliant with Class B USB Type-C power delivery specification
- designed to meet PD 3.0, PPS, Apple 2.4A, BC1.2
- certified to UL 62368-1; UL/cUL, FCC
- over-voltage, short-circuit, and over-current protection
- customization available

MODEL	output type		output voltage typ (Vdc)	output current max (A)	output power max (W)	ripple and noise[1] max (mVp-p)	efficiency level
SWI65CC-N	PD + Type C1	fixed	5	3.0	15	150	VI
			9	3.0	27	200	VI
			12	3.0	36	250	VI
			15	3.0	45	250	VI
			20	3.25	65	350	VI
		programmable	5~21	3.0	65	200	VI
	PD + Type C2	fixed	5	3.0	15	150	VI
			9	2.22	20	200	VI
			12	1.67	20	250	VI
		programmable	5~11	2.0	65	200	VI

Notes: 1. At full load, nominal AC input voltage, 25°C, 20 MHz bandwidth oscilloscope, output terminated with 0.1 µF ceramic and 10 µF aluminum electrolytic capacitors.

PART NUMBER KEY



Note: The color of the DC cord matches the color of the product.

INPUT

parameter	conditions/description	min	typ	max	units
voltage		90	100~240	264	Vac
frequency		47	50~60	63	Hz
current	at 100 ~ 240 Vac			1.7	A
leakage current				0.25	mA
no load power consumption	at 230 Vac			0.3	W

OUTPUT

parameter	conditions/description	min	typ	max	units
load regulation			±5		%
line regulation			±5		%
start-up time				3	s
rise time				100	ms
hold-up time	at 115 ~ 230 Vac, full load	8			ms

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection	internal protection clamp 5 Vdc output 9 Vdc output 12 Vdc output 15 Vdc output 20 Vdc ouptut			 7.5 11.25 15.0 19.0 25.0	 V V V V V
over current protection	auto recovery or latch mode			4.5	A
short circuit protection	auto recovery				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output at 5 mA for 1 minute		3,000		Vdc
safety approvals	certified to 62368-1: UL/cUL				
EMI/EMC	FCC PART 15: Class B, ICES-003 Issue 7, NRCan				
conducted emissions	EN 55032, Class B				
radiated emissions	EN 55032, Class B				
ESD	EN 55035, EN 61000-4-2 contact: ± 4 kV, air: ± 8 kV, perf. Criteria B				
radiated immunity	EN 55035, EN 61000-4-3 frequency: 80~1000 MHz, field strength: 3V/m, 80% AM (1KHz), perf. Criteria A				
EFT/Burst	EN 55035, EN 61000-4-4 power line: 1 kV, perf. Criteria B				
surge	EN 55035, EN 61000-4-5 power line ±1kV, line to earth ±2 kV, 90°C / -270°C				
conducted immunity	EN 55035, EN 61000-4-6 frequency range: 0.15~80 MHz (0,15~10 MHz, 3V; 10~30 MHz; 3~1V; 30~80 MHz; 1V) field strength: 3 A/m with 80% amplitude modulation of 1KHz, perf. Criteria A				
MTBF	as per Telcordia SR-332 Issue 3, full load, at 25°C	300,000			hours
RoHS	yes				

ENVIRONMENTAL

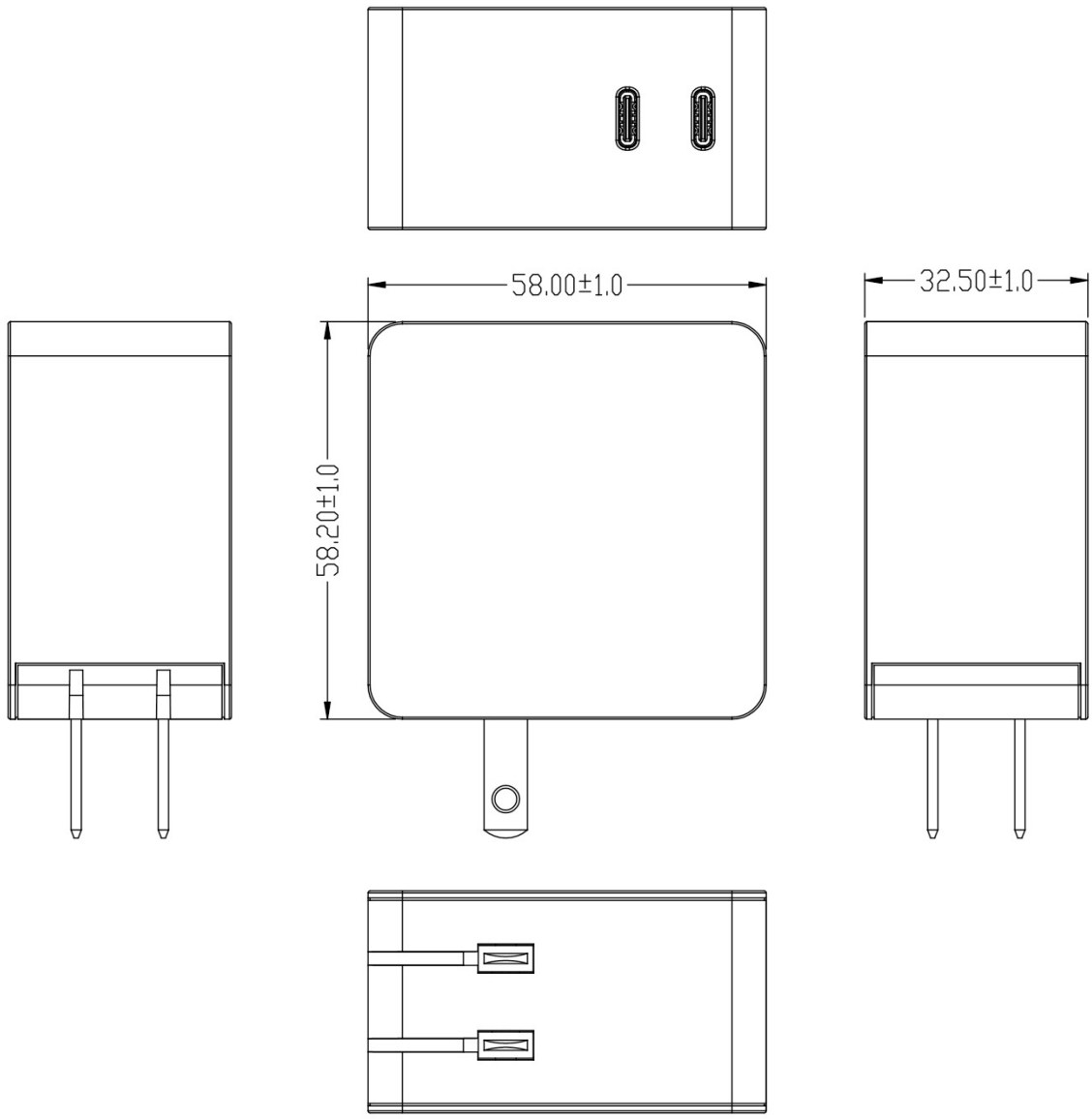
parameter	conditions/description	min	typ	max	units
operating temperature		0		25	°C
storage temperature		-20		70	°C
operating humidity	non-condensing	5		95	%
storage humidity	non-condensing	5		95	%
altitude				2,000	m

MECHANICAL

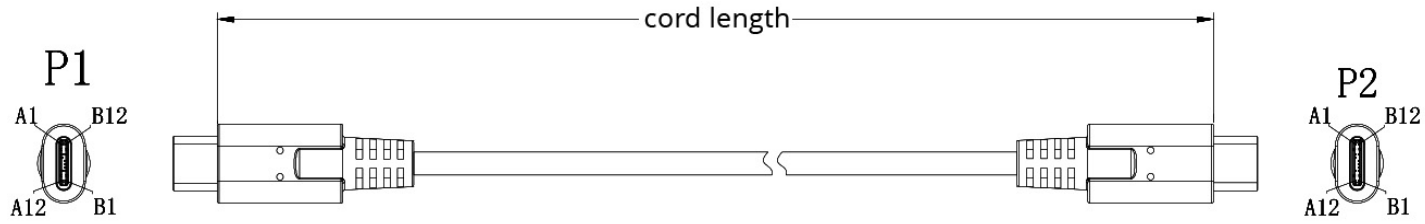
parameter	conditions/description	min	typ	max	units
dimensions	58.2 (L) x 58.0 (W) x 32.5 (H)				mm
inlet plug	2 pin, North America				

MECHANICAL DRAWING

units: mm



DC CORD



Plugs: USB-C to USB-C
Length: 1,000/1,500 mm
Color: black/white

POWER DISTRIBUTION

POWER DISTRIBUTION 65W			Output Power (max)
Output port	C1	C2	
Single port output	PD 65W	-	65W
	PD 45W (The power drop to 45W after reaching the preset temperature)	-	45W
	-	PD 20W	20W
Combined output	PD 45W	PD 20W	65W
	PD 20W	PD 20W	40W

REVISION HISTORY

rev.	description	date
1.0	initial release	10/06/2025

The revision history provided is for informational purposes only and is believed to be accurate.

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