SERIES: SWI65CCA-N | **DESCRIPTION:** AC-DC POWER SUPPLY

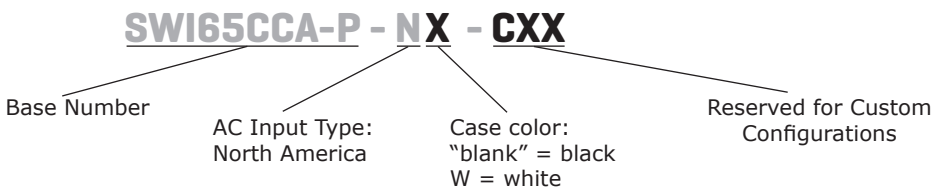
FEATURES

- up to 65W power with USB power delivery
- 3-port USB quick charger with US flip blade
- USB-C ports 65W/30W, complaint with QC4.0+, AFC, FCP, BC1.2 DCP standard
- USB-A port 36W, compliant with QC2.0/3.0, AFC, FCP, BC1.2 DCP standard
- short circuit and over current protection
- 0 ~ 40°C operating temperature
- certified to IEC 62368-1
- customization available

MODEL	output type		output voltage (Vdc)	output current max (A)	output power max (W)	ripple and noise[1] max (mVp-p)	efficiency level
SWI65CCA-N	single port	USB-C1	3.3 ~ 11.0	2.7	29.7	300	VI
			5.0 ~ 9.0	3.0	27.0	300	VI
			12.0	2.5	30.0	300	VI
			15.0	2.0	30.0	300	VI
			20.0	1.5	30.0	300	VI
			5.0	3.0	15.0	300	VI
			9.0	3.0	27.0	300	VI
			12.0	3.0	36.0	300	VI
			20.0	1.8	36.0	300	VI
		USB-C2	3.3 ~ 11.0	2.7	29.7	300	VI
			5.0 ~ 9.0	3.0	27.0	300	VI
			12.0	2.5	30.0	300	VI
			15.0	2.0	30.0	300	VI
			20.0	1.5	30.0	300	VI
			5.0	3.0	15.0	300	VI
			9.0	3.0	27.0	300	VI
			12.0	3.0	36.0	300	VI
			20.0	1.8	36.0	300	VI
		USB A	5.0	3.0	15.0	300	VI
			9.0	3.0	27.0	300	VI
			12.0	3.0	36.0	300	VI
			20.0	1.8	36.0	300	VI
	double port	USB-C1 & USB-C2	-	-	63.0	300	VI
		USB-C1 & USB-A	-	-	63.0	300	VI
		USB-C2 & USB-A	-	-	15.0	300	VI
	triple port	USB-C1, USB-C2 & USB A	-	-	60.0	300	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



INPUT

parameter	conditions/description	min	typ	max	units
voltage		90	100~240	264	Vac
frequency		47	50~60	63	Hz
current				1.6	A
leakage current	at nominal input voltage, full load			0.25	mA
no load power consumption	at 115/230 Vac			0.3	W

OUTPUT

parameter	conditions/description	min	typ	max	units
total regulation			±5		%
start-up time				3	s
hold-up time		5			ms

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over current protection				140	%
short circuit protection	auto recovery, hiccup				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output for 1 minute, 10mA max		3,000 4,242		Vac Vdc
safety approvals	certified to 62368: UL/cUL				
EMI/EMC	FCC PART 15 Class B, ICES-003 Issue 7 Class B				
radiated emissions	IEC 61000-4-3 frequency: 80~1000 MHz, field strength: 3V/M, 80% AM (1kHz)				
conducted emissions	IEC 61000-4-3 frequency: 80~1000 MHz, field strength: 3V/M, 80% AM (1kHz)				
ESD	IEC 61000-4-2 contact: ±4 kV, air: ±8 kV				
EFT/Burst	IEC 61000-4-4/1995 power line: 1 kV, signal line: 0.5 kV				
radiated immunity	EN 61000-4-5 level 3 requirements				
surge	EN 61000-4-5 power line 1 kV/1.2				
MTBF	as per Telcordia SR-332 Issue 2, full load, 25°C	30,000			hours
RoHS	yes				

ENVIRONMENTAL

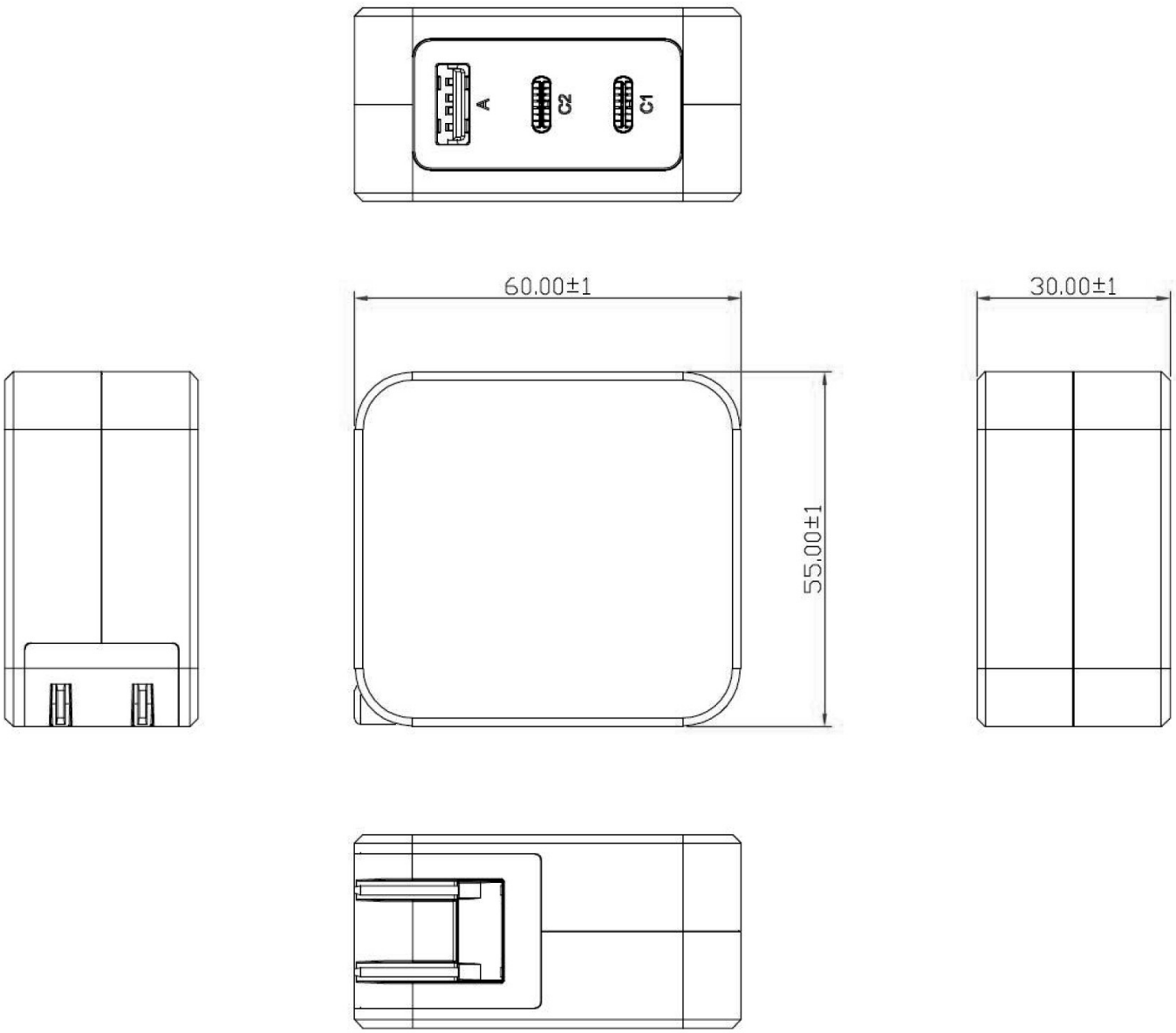
parameter	conditions/description	min	typ	max	units
operating temperature		0		40	°C
storage temperature		-20		60	°C
operating humidity	non-condensing	20		85	%
storage humidity	non-condensing	5		90	%

MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	61 x 56 x 31				mm
inlet plug	North America, 2-pin				
DC output	port 1 & 2: USB type C, Compliant with PD3.0(PPS), QC 4.0+, AFC, FCP, BC1.2 DCP standard port 3: USB type A, Compliant with QC2.0/3.0, AFC, FCP, BC1.2 DCP standard				
weight	(tolerance ±15%)		139		g

MECHANICAL DRAWING

units: mm



REVISION HISTORY

rev.	description	date
1.0	initial release	07/18/2025

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

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