



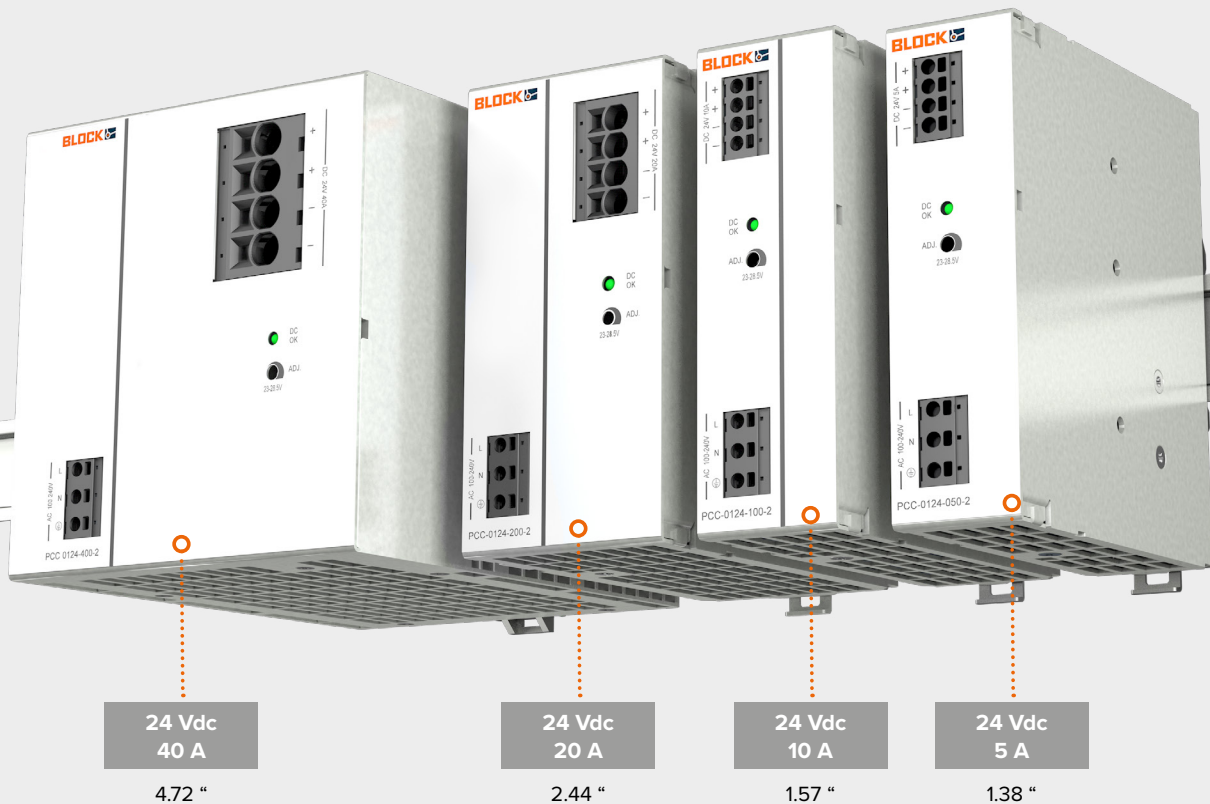
POWER SUPPLIES
AT ITS BEST

POWER COMPACT CHAMP

Our new single-phase power supplies
available in the range from 5 A - 40 A

MAXIMUM SUPPLY & MINIMUM SPACE REQUIREMENT OUR NEW SINGLE-PHASE POWER SUPPLIES

FROM 120 TO 960 W



MAXIMUM SYSTEM AVAILABILITY, STRONG AND FLEXIBLE IN ANY APPLICATION, YET LIGHT AND COMPACT – OUR NEW POWER COMPACT CHAMP POWER SUPPLIES.

Universally applicable power supplies have to meet the most demanding requirements: challenging environmental conditions in terms of temperature range, shock and vibration, mains fluctuations and high-energy overvoltage pulses. With our Power Compact Champ (PCC) series, the focus is on the core functionality of a power supply – reliable supply even under demanding conditions. PCC combines all the features required to meet the demands of a wide range of applications and industries – a compact design with above-average electrical and mechanical robustness.

HIGHLIGHTS

- › High reliability and service lifetime
- › High efficiency and compact design
- › Protection against shock and vibration
- › Protection against transient mains overvoltage events
- › Wide range of safety standards and approvals
- › Complies with the latest EMC standards
- › Best-in-class solution

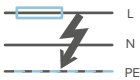
POWER COMPACT CHAMP

ALL DATA AT A GLANCE



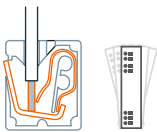
Universally applicable even in demanding environments

- > Ambient temperature from -40 °F to +158 °F
- > Altitude up to 16,400 ft
- > Wide input voltage range from 85 - 264 Vac and 90 - 372 Vdc



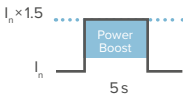
Optimally protected against transient overvoltages

- > Transient protection up to 2 kV L - N
- > Transient protection up to 4 kV (L, N) - PE
- > Overvoltage category III



Optimally protected against shock and vibration

- > Vibration loads up to 2,3 g on DIN rail (DNV)
- > Shock loads up to 30 g
- > Reliable push-in terminals and robust metal enclosure



High power reserves

- > 110 % continuously overload-resistant
- > 150 % power boost for 5 s
- > Safe tripping of circuit breakers



LEARN MORE ABOUT
POWER COMPACT
CHAMP

Technical Data	PCC-0124-050-2	PCC-0124-100-2	PCC-0124-200-2	PCC-0124-400-2
Output power	120 W	240 W	480 W	960 W
Input rated voltage	100 – 240 Vac			
Input voltage range	90 – 264 Vac / 90 – 374 Vdc			
Mains buffering time	62 ms (230 Vac)	26 ms (230 Vac)	18 ms (230 Vac)	24 ms (230 Vac)
Output rated voltage	24 Vdc			
Output voltage range	23 ... 28.5 Vdc			
Residual ripple	40 mVpp	30 mVpp	75 mVpp	100 mVpp
Output rated current	5 A	10 A	20 A	40 A
Output current boost (5 s)	7.5 A	15 A	30 A	60 A
Output current boost (continuous up to 113 °F)	5.5 A	11 A	22 A	44 A
Efficiency	typ. 88.5 %	typ. 93.5 %	typ. 93.6 %	typ. 94.3 %
Ambient temperature	(Device start at -40 °F) -13 °F ... +158 °F / Derating > +131 °F			
Altitude	16,400 ft			
Protective functions	Overload protection / over-temperature protection / overvoltage protection / protection against reverse voltages from the load			
Transient overvoltage protection	2 kV L-N / 4 kV (L-N) - PE (surge immunity acc. to IEC 61000-4-5)			
Vibration	< 15 Hz, amplitude +/- 0.1 " / 15 Hz...150 Hz, 2,3 g, 90 min (DNV)			
Shock	30 g, each direction			
MTBF	> 500,000 h			
Dimensions (WxHxD) depth incl. DIN 35-7.5 rail	1.38 x 5 x 4.88 "	1.57 x 5 x 5.28 "	2.44 x 5 x 5.28 "	4.72 x 5 x 6.52 "

A GLOBAL GROUP



Headquarter and
production sites



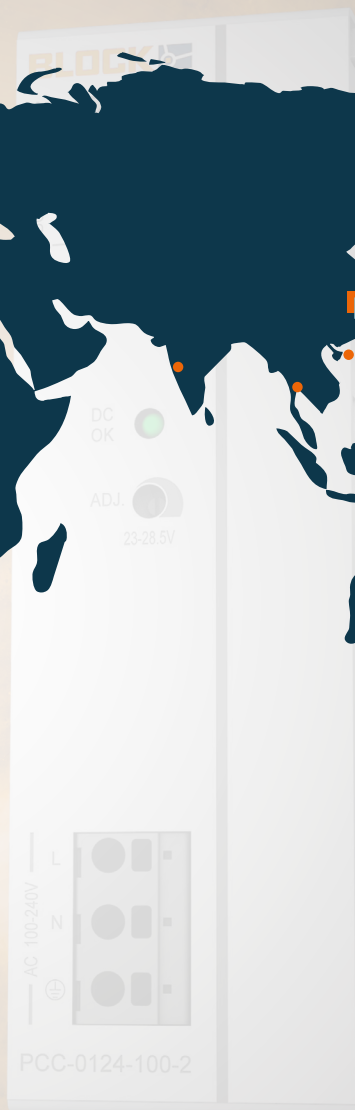
Production sites



Subsidiaries



International
agencies



PCC US AVEN/2022/07-22 FLY

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