

新款电源
始终处在最佳状态
POWER SUPPLIES
AT ITS BEST

POWER COMPACT CHAMP

新单相电源
可选范围从5A-40A.

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

最小空间提供最大的能量 新单相电源

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

从120 W到960 W
FROM 120 W TO 960 W



在各种应用情况下，具有最大的系统可用性，强大而灵活，轻巧且紧凑-我们新的PCC系列电源。

我们的PCC系列电源，聚焦了电源的核心功能-在苛刻的条件下提供可靠的电能。PCC揉和了多种特性，以满足广泛的应用和各行各业的需求-紧凑的设计，电气和机械性能高于业内平均水平。

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 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.

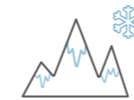
亮点

HIGHLIGHTS

- 高可靠性和长使用寿命
- 高效率 and 紧凑设计
- 抗冲击和震动
- 瞬态主电过压保护
- 广泛的安全标准和认证
- 遵循最新的EMC标准
- 同类最优解决方案
- 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 参数概览

POWER COMPACT CHAMP ALL DATA AT A GLANCE



严苛环境普遍使用

- 环境温度 -40 °C ~ +70 °C
- 海拔高达 5000米
- 宽范围输入电压: 90 - 264 Vac 和 90 - 300 Vdc

Universally applicable even in demanding environments

- Ambient temperature from -40 °C to +70 °C
- Altitude up to 5000 m
- Wide input voltage range from 90 - 264 Vac and 90 - 300 Vdc

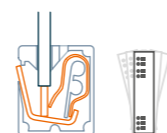


防止瞬间过电压的最佳保护

- 瞬间保护可达 2 kV L - N
- 瞬间保护可达 4 kV (L, N) - PE
- 过电压类别 III

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

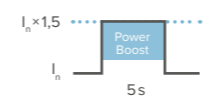


防止冲击和振动的最佳保护

- 在DIN导轨上振动负载可达 2.3 g (DNV GL)
- 冲击负载可达30 g
- 可靠的push-in端子和坚固的金属外壳

Optimally protected against shock and vibration

- Vibration loads up to 2.3 g on DIN rail (DNV GL)
- Shock loads up to 30 g
- Reliable push-in terminals and robust metal enclosure

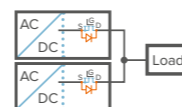


高功率储备

- 110%可持续过载
- 持续5秒的功率增强150%
- 安全触发断路器脱扣

High power reserves

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



内置晶体管冗余支持N+1冗余

- DC OK触点输出
- 节省空间
- 简化接线

Integrated decoupling Mosfet for N+1 redundancy

- DC OK signal output
- Space saving
- Simplified wiring

技术数据 Technical data	PCC-0124-050-2	PCC-0124-100-2**	PCC-0124-200-2**	PCC-0124-400-2
额定输入电压 Input rated voltage	100 – 240 Vac			
输入电压范围 Input voltage range	90-264 Vac / 90-300 Vdc			
断电缓冲时间 Mains buffering time	62 ms (220 Vac)	26 ms (220 Vac)	18 ms (220 Vac)	24 ms (220 Vac)
额定输出电压 Output rated voltage	24 Vdc			
输出电压范围 Output voltage range	23 ... 28.5 Vdc			
残余纹波 Residual ripple	40 mVpp	30 mVpp	75 mVpp	100 mVpp
额定输出电流 Output rated current	5 A	10 A	20 A	40 A
输出电流增强 (5s) Output current boost (5s)	7.5 A	15 A	30 A	60 A
输出电流增强 (连续可达 45 °C) Output current boost (continuous up to 45 °C)	5.5 A	11 A	22 A	44 A
效率 Efficiency	typ. 88.5 %	typ. 93.5 %	typ. 93.6 %	typ. 94.3%
环境温度 Ambient temperature	(在 -40 °C 启动) -25 °C ... +70 °C / 降容 > +55 °C (Device start at -40 °C) -25 °C ... +70 °C / derating > +55 °C			
海拔高度 Altitude	5000 m			
保护功能 Protective functions	过载保护 / 过热保护 / 过压保护 / 负载的反向电压短路保护 Overload protection / over-temperature protection / overvoltage protection / protection against reverse voltages from the load			
瞬间过压保护 Transient overvoltage protection	2 kV L - N / 4 kV (L, N) - PE (浪涌抗扰度根据 IEC 61000-4-5) 2 kV L - N / 4 kV (L, N) - PE (surge immunity acc. to IEC 61000-4-5)			
振动 Vibration	< 15 Hz, 振幅 +/- 2.5 mm / 15 Hz...150 Hz, 2.3 g, 90 min (DNV GL) < 15 Hz, amplitude +/- 2.5 mm / 15 Hz...150 Hz, 2.3 g, 90 min (DNV GL)			
冲击 Shock	30 g 每个方向 30 g, each direction			
尺寸 (WxHxD) 深度包括DIN35-7.5导轨 Dimensions (W x H x D) depth incl. DIN 35-7.5 rail	35 x 127 x 124 mm	40 x 127 x 134 mm	62 x 127 x 134 mm	120 x 127 x 165,5 mm

* 待处理 * pending

** -2D版本电源内置Mosfet解耦冗余 ** -2D version with integrated decoupling Mosfet

全球集团

A GLOBAL GROUP



BLOCK 集团

成立于1939年，全球现有员工 1000人，拥有80+年变压器研发生产经验，生产和销售遍布全球。在德国拥有自己的工厂，研发和实验室，产品包含变压器，电抗器，滤波器，开关电源和电子断路器。

博洛科中国

BLOCK在2012年进入中国，2018年开始在中国昆山建立工厂。现国内拥有研发，生产和销售团队，目前主要生产电抗器，变压器，滤波器，开关电源和电子断路器。中国工厂完全具备灵活定制的能力，处于快速发展阶段。

作为一家国家级高新技术企业，博洛科昆山公司已通过ISO9001质量体系认证，产品具有北美UL以及欧盟CE认证，随着2023年二期厂房的入驻，产品系列和生产能力得到进一步释放。



博洛科电气（昆山）有限公司

BLOCK Electronics (Kunshan) Co., Ltd.

Building West 3, No. 1367, Juxiang Road, Zhangpu Town,
Kunshan City 215321, Jiangsu Province • P.R. China

Phone: +86 512 5798 2966

info@block-china.cn • www.block-china.cn

BLOCK 
perfecting power