

SQPC Power Connector



PRODUCT OVERVIEW

The SQPC Series Power Connectors are designed to provide safe, reliable, and efficient electrical power connections for industrial and commercial applications. With a rated operating voltage of up to AC 1000 V and an operating current of up to 800 A, the series is suitable for high-current power transmission in various electrical systems.

Featuring a robust design and secure connection mechanism, the SQPC series supports reliable electrical contact and efficient installation. For outdoor or harsh environments, the appropriate connector configuration and accessories should be selected to meet the required environmental protection standards.

SQPC NAMING SYSTEM

SQPC – 4 PD – 1 BL

Insulated Colour
GN: Green; BL: Blue; BR: Brown
BK: Black; GY: Grey; RD: Red;
YE: Yellow; WH: White

E: Earth; N: Neutral
1: Phase 1; 2: Phase 2; 3: Phase 3

PD: Panel Drain; PS: Panel Source
LD: Line Drain; LS: Line Source

Maximum Current Rating
4: 400A; 5: 500A; 7: 750A; 8: 800A

Product Type: Sequence Power
Connector(SQPC)

TECHNICAL SPECIFICATION

Rated Current	400A, 500A, 750A, 800A
Rated Voltage	AC 1000V
Degree of Protection	IP67
Contact resistance	< 0.3 mW
Cable connection capacity	150 mm ² : 400 A; 185 mm ² : 500 A 300 mm ² : 750 A; 400 mm ² : 800 A
Operating Temperature	25°C ~ 125 °C

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OVERALL AND INSTALLATION DIMENSION

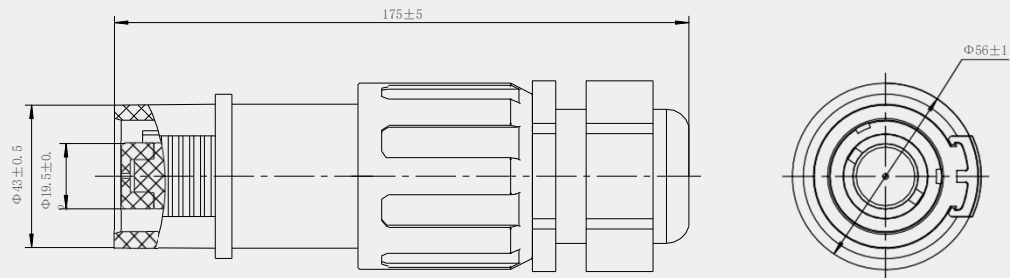


Fig. 1 Line Source Dimension

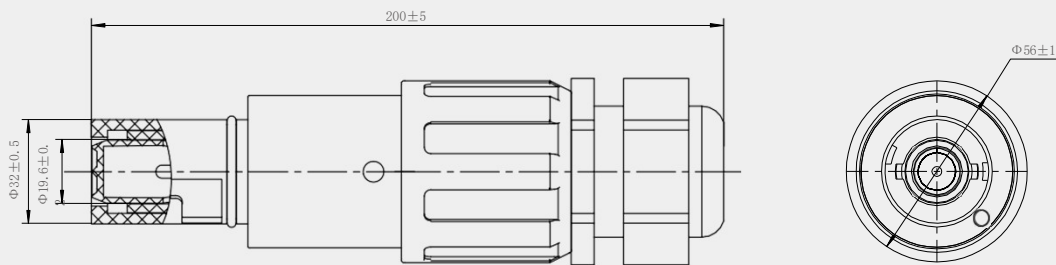


Fig. 2 Line Drain Dimension

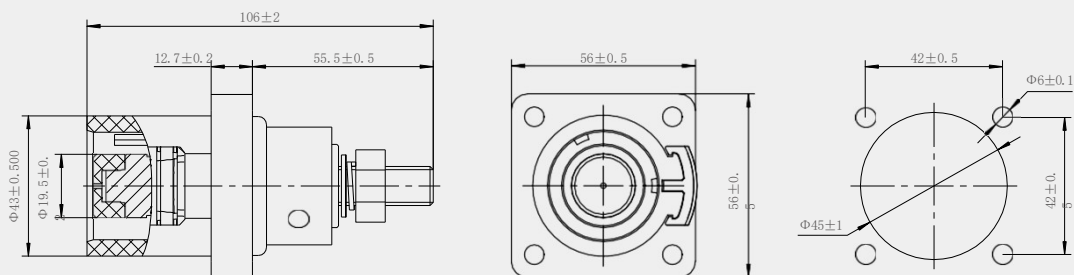


Fig. 3 Panel Source Dimension

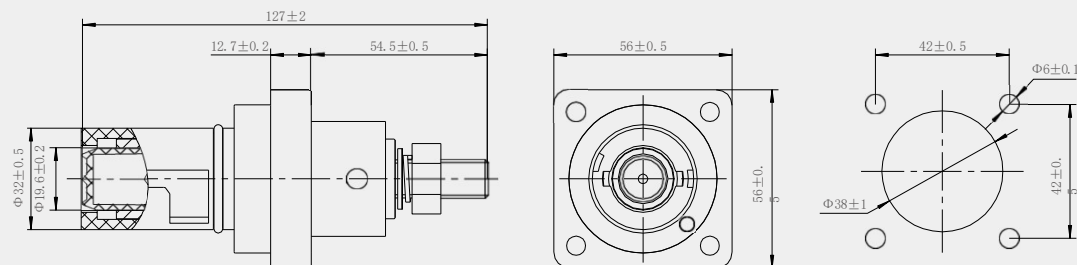


Fig. 4 Panel Drain Dimension

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WIRING TERMINOLOGY



APPLICATION

Data Centers

Power connections for critical infrastructure, backup generators, UPS systems, and temporary power supply during maintenance or system upgrades.



Generator and Load Bank Systems

Mobile power generation, temporary power supply, and load bank testing applications.



Industrial Power Systems

Power connections for plant maintenance, scheduled shutdowns, and backup power changeovers.



Marine and Offshore Power

Temporary ship-to-shore power connections and marine power distribution systems.



Events and Entertainment

High-power distribution for stage lighting, concert sound systems, and large-scale events.

