

Astrodyne TDI
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Shattering Boundaries! Introducing an Innovative Modular Power Distribution Cabinet



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- Astrodyne TDI, a global developer and manufacturer of power conversion and EMI/EMC solutions, proudly introduces its latest innovation, the state-of-the-art modular and scalable power distribution unit (PDU). Designed to meet the most stringent requirements, including IEC60601 and SEMI S22 standards, this cabinet-style PDU offers unmatched flexibility. With three power ranges available - 20KVA, 50KVA, and 100KVA - this PDU platform is a game-changer in the industry. Equipped with essential features such as EMO, EMI filtering, voltage surge protection, and overcurrent protection, it guarantees the utmost safety and reliability.

One of the standout features of this standard scalable PDU cabinet is its isolation transformer. This PDU effectively minimizes transients and harmonics by incorporating an AC input connected to a multitap isolation transformer, ensuring a stable and clean power supply.

Moreover, the universal input capability of this PDU allows it to work seamlessly with various global electrical utilities. The multitap primary, connected through a terminal block, enables easy and hassle-free installation. The outputs are conveniently provided through terminal blocks, NEMA sockets, and IEC receptacles.

This PDU boasts an impressive range of features and compliances, including IEC/UL/CSA 60601-1, IEC/UL/CSA 61010-1, SEMI S22, , CISPR 11and, CISPR 22 Conducted and Radiated Emissions as well as Surge Immunity, and IEC61000-4-5 Level 3. Operating at an AC frequency of 50Hz - 60Hz (+/-3Hz), it offers a power factor greater than 90%. Depending on the power level, the input current ranges from 50A to 160A, with over-current protection provided via a Circuit Breaker (CB). With a programmable input circuit breaker, the PDU adapts to different requirements seamlessly.

Designed to perform in a wide range of environments, this PDU operates efficiently within an operating temperature range of 10°C to +40°C. It can withstand storage temperatures from -20°C to +80°C, with both convection and forced air cooling options available. The PDU is also equipped with emergency machine-off (EMO) functionality, providing an added layer of safety.

Astrodyne TDI's new modular and scalable power distribution unit is a game-changer in the industry. Its innovative design, extensive features, and compliance with stringent standards make it the perfect choice for various applications. From medical systems to industrial electronics to semiconductor fabrication, this PDU caters to a wide range of industries. Discover the power of Astrodyne TDI's latest creation and revolutionize your power distribution system today.

For more information about this power distribution solution, please visit Astrodyne TDI's website at www.astrodynetdi.com. Stay updated with their latest news by following their LinkedIn page and accessing their blog. Download the detailed datasheet to explore the comprehensive features and benefits of this exceptional power distribution unit.

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About Astrodyne TDI

Astrodyne TDI designs and manufactures innovative power solutions for demanding applications worldwide. The company's products include power supplies and EMI filters for industrial, semiconductor manufacturing, medical, consumer appliance, military, and aerospace markets. With over 60 years of power supply design experience, Astrodyne TDI is headquartered in Hackettstown, NJ, and has engineering and manufacturing centers in the USA and China. For more information, visit www.AstrodyneTDI.com.