

Saf-D-Grid®

Application Focus



Power Distribution requires the flexibility to provide adequate connections for a variety of loads depending on the contents of a rack or system. Connections with minimal size that are able to accommodate the widest ranges of voltage and amperage facilitate a broader base of users with differentiated needs.

Features & Benefits

- **AC/DC Output Hybrid**
Hot plug rated for both AC and DC connections
- **Voltage Advantage**
Saf-D-Grid provides a 600V disconnect (400V hot plug) rating which facilitates 380VDC, 277VAC and well exceeds common 250VAC connectors
- **Power Density & Size Advantage (6.4X the Power!)**
Provides up to 19kW (600V x 32A max) in the same footprint of a C13/C14 (3kW)
- **Rated To 105°C**
Connectors can be rated up to 105°C far exceeding the 70°C ratings of common industry connectors
- **Integrated Positive Latch**
Prevents accidental disconnect
- **Touch Safe**
Meets the requirements of UL, IEC, and 3mm finger probes on both plug and receptacle - can be used as an input OR an output
- **First Mate/Last Break Ground**
Safety of an earthing path before engagement of the power contacts
- **Standard and Custom Cordsets**
Cordsets available incorporating Saf-D-Grid with a variety of industry standard plugs (IEC 60320, IEC 60309, NEMA)

Plug into the FUTURE

Saf-D-Grid connectors offer up to 6.4X the wattage of a C13/14 connector. What does this mean for you? Choosing Saf-D-Grid is an investment into the future. As the demand for power continues to rise, Saf-D-Grid will remain Your Best Connection™.



Why Choose Saf-D-Grid®

A customer requiring up to 32A per outlet selected Saf-D-Grid as a size-efficient option over a NEMA connector for their rack-mounted PDU. Saf-D-Grid's low profile enabled connection to the PSU's with a minimal plug and cable protrusion.

AT-A-GLANCE COMPARISON

	Saf-D-Grid®	IEC60320 C13/C14	IEC60320 C20/C19	NEMA 5-15	NEMA L6-20	NEMA L7-20	NEMA L7-30
Fits IEC320 C14 Cut-out	✓	✓	✗	✗	✗	✗	✗
AC Hot Plug Capable	30A, 400VAC	10A (IEC) 15A (UL), 250VAC	16A (IEC) 20A (UL), 250VAC	15A (UL) 250VAC	20A (UL) 250VAC	20A (UL) 277VAC	30A (UL) 277VAC
DC Hot Plug Capable	30A, 400VDC	✗	✗	✗	✗	✗	✗
DC Arc Protection	✓	✗	✗	✗	✗	✗	✗
Touch Safe Plug & Receptacle	✓	✗	✗	✗	✗	✗	✗
Integral Positive Latch	✓	✗	✗	✗	✗	✗	✗
Multiple Keying Options	✓	✗	✗	✗	✗	✗	✗
Max Operating Temp.	105° C	70° C	70° C	70° C	70° C	70° C	70° C
EMI Shield Available	✓	✗	✗	✗	✗	✗	✗

Why Choose Anderson Power™

Anderson Power Products® is an international leader in the design and development of high quality, cost-effective power interconnect solutions for industries that include: Material Handling, Datacom, Construction, Agriculture, Lawn & Garden and Commercial Industries.

We serve our worldwide customer base from our manufacturing facilities in Sterling, MA, U.S.A., Warrington UK for European customers, as well as three Asia Pacific facilities: Shenzhen, China (manufacturing, sales, and distribution), Shatin N.T., Hong Kong, and Haryana, India (sales and distribution).



Your Best Connection™



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