

New!

PR0max Power Supplies

Power for Your Toughest Demands!

Power Boost

Powerful Output Surge Capability:
up to 300% min for 2ms

Status Output

Integrated contact output

Narrow Widths

Minimize rail space.
No gaps needed.

Ready for Harsh Environments

Start-up at -40°C
Rated -25° to +70°C



Worldwide Approvals

Approved for applications
around the world



SEMI F47

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Comparison of the Technical Features By Product Series

Technical Feature	PROmax	PRO-M	PROeco	PRO-H
Operating Temperature	-25°C...+70°C (start-up @ -40°C)	-25°C...+70°C	-25°C...+70°C	-25°C... +70°C
Dimensions (W x H x D) (3-ph 20A)	70 x 130 x 150 mm	121 x 130 x 150 mm	100 x 125 x 120 mm	125 x 165 x 125 mm (25A)
Power Boost	300% 2ms, 150% 4s and 120% 1 min. (≤ 45°C continuously)	120% 1 min. (≤ 45°C continuously)	No power boost	No power boost
Efficiency	92%	90%	90%	typ. 88%
Derating	> 60°C	> 60°C	> 55°C	> 40°C
Approvals	cULus; cURus; TÜV; CE; CCC; SEMI F47; GL (EMC1); Class 1 Div 2; RCM; GOST	CE; cULus to UL508, CSA C22.2 No. 107.1	(EN/IEC 60950-1); cULus; CE; TÜV	cULus Listed to UL508, CSA C22.2 No. 14; cURus to ANSI/UL60950, CSA60950; CSA to C22.2 No. 107.1; cCSAus to CSA60950, ANSI/UL60950; cCSAus C1D2 to C22.2 No. 213, UL1604, Group A, B, C, D; cCSAus C1Z2 to CSA60079-15, UL60079-15 & ANSI/ISA 12.012.01, Ex nC IIC T4U, Aex nC IIC T4U; CE marked; Ex EN60079-0, EN60079-15 (Ex nAC IIC T4 or T5 with derating)
Side-by-side Mounting	without any space	without any space	with 15 mm space	with 50 mm space
Series Operation	yes	no	no	no
Variants	5, 12, 24, 48 V DC (16 types)	24 V DC (10 types)	12, 24, 48 V DC (13 types)	12, 24, 48 V DC (14 types)
Status Relay	yes, C.O. contact	no	yes, N.O. contact	yes, N.O. contact
Input Voltage AC	85...277V	85...264V	85...264V	85 ... 264 V
Overvoltage Category	III	II	II	I
Vibration	2.3g (metal foot)	0.7g (plastic foot) option: 2.3g (metal foot)	0.7g (plastic foot)	1 g (plastic foot)

Availability

The following products are available:

Type	Input Voltage Range	Output Voltage Range	Output Current	Power	Part Number	Recommended Input Circuit Breaker
Single Phase Inputs						
PROmax 72W 24V 3A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	3A	72W	1478100000	BR1C5AC
PROmax 120W 24V 5A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	5A	120W	1478110000	BR1C5AC
PROmax 180W 24V 7.5A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	7.5A	180W	1478120000	BR1C6AC
PROmax 240W 24V 10A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	10A	240W	1478130000	BR1C6AC
PROmax 480W 24V 20A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	20A	480W	1478140000	BR1C10AC
PROmax 960W 24V 40A	85-277 V AC/80-370 V DC	24 V DC +/- 1%	40A	960W	1478150000	BR1C10AC
PROmax 70W 5V 14A	85-277 V AC/80-370 V DC	5 V DC +/- 1%	14A	70W	1478210000	BR1C5AC
PROmax 72W 12V 6A	85-277 V AC/80-370 V DC	12 V DC +/- 1%	6A	72W	1478220000	BR1C5AC
PROmax 120W 12V 10A	85-277 V AC/80-370 V DC	12 V DC +/- 1%	10A	120W	1478230000	BR1C6AC
PROmax 240W 48V 5A	85-277 V AC/80-370 V DC	48 V DC +/- 1%	5A	240W	1478240000	BR1C6AC
PROmax 480W 48V 10A	85-277 V AC/80-370 V DC	48 V DC +/- 1%	10A	480W	1478250000	BR1C10AC
PROmax 960W 48V 20A	85-277 V AC/80-370 V DC	48 V DC +/- 1%	20A	960W	1478270000	BR1C10AC
3 Phase Inputs						
PROmax3 120W 24V 5A	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC	24 V DC +/- 1%	5A	120W	1478170000	BR3C2AC
PROmax3 240W 24V 10A	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC	24 V DC +/- 1%	10A	240W	1478180000	BR3C5AC
PROmax3 480W 24V 20A	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC	24 V DC +/- 1%	20A	480W	1478190000	BR3C5AC
PROmax3 960W 24V 40A	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC	24 V DC +/- 1%	40A	960W	1478200000	BR3C6AC

Accessories

Type	Description	Input Voltage Range	Output Voltage Range	Output Current	Part Number
CP M DM 20	20A Redundancy Diode Module	18 - 30 V DC	I _{in} - 0.7 V DC	20A @ 60°C	1222210000
CP M DM 40	40A Redundancy Diode Module	18 - 30 V DC	I _{in} - 0.7 V DC	40A @ 60°C	1222220000

Information

Information is available for download on the web at www.weidmuller.com.

Ref. No.	Description
LIT1426	PROmax Power Supplies Datasheet

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