

Make your systems fail-safe With us you have an everlasting supply

Power Supply



Weidmüller 

Power Supplies at a Glance

Maximum power for your production environment.
Comprehensive solutions for the panel and the field.

Our power supply products can be used universally in conjunction with our Industrial Ethernet, lightning and surge protection, relays and semiconductor switches, and can be combined to form many complete solutions.

Feature	PRO PM	INSTA Power	PRObas	PROeco	PROmax	PROtop	
Input	Input single phase (Vac)	90...264 Vac ⁽¹⁾	85...264 Vac	85...264 Vac	85...264 Vac	85...277 Vac	85...277 Vac
	Input three phase (Vac)	No option	No option	No option	340...575Vac	320...575Vac	320...575Vac
	Input DC (Vdc) - Single phase models	Not allowed	95...370 Vdc	110...370 Vdc	80...370 Vdc	80...370 Vdc	80...370 Vdc
Output	Options of output voltage (Vdc)	5, 12, 24, 48V	5, 12 (from 9 to 16V), 24, 48V	5, 12 (9 to 16V), 24, 48V	12 (from 10 to 16V), 24, 48V	12, 24, 48V	12, 24, 48V
	Options of output current (A)	from 0.75 up to 21A	from 0.7 up to 5A	from 1.3 up to 20A	from 3 up to 40A	from 3 up to 40A	from 3 up to 40A
	Options of output power (W)	35, 75, 100, 150, 350W	16, 30, 60, 90, 96W	30, 60, 90, 120, 240W	72, 120, 240, 480, 960W	72, 120, 180, 240, 480, 960W	72, 120, 240, 480, 960W
	Power Boost	No Power Boost	No Power Boost	No Power Boost	No Power Boost	120%@1min. 150%@4sec. 300%@2 ms	120%@1min, 150%@5sec. Up to 600%@15ms. DCL from 15ms to 5sec.
	Output behaviour facing a short-circuit	Hicup	lxJ (120% Inominal, U > 0)	lxJ up to 120W (110% Inom), Hiccup@240 and 480W	lxJ (110% Inominal, U > 0)	lxJ (120% Inominal, U > 0)	Selectable by dip-switch: lxJ or shutdown after time pre programmed
	Width (mm) / Power (W)	82mm/35W 97mm/75W 97mm/100W 97mm/150W 115mm/250W 115mm/350W	22mm/16W 54mm/30W ⁽²⁾ 72mm/60W 90mm/90W 90mm/96W	23mm/30W (3) 36mm/60W 47mm/90W 40mm/120W 52mm/240W 59mm/480W	34mm/72W 40mm/120W 60mm/240W 100mm/480W 160mm/960W	32mm/72W 40mm/120W 50mm/180W 60mm/240W 90mm/480W ⁽³⁾ 140mm/960W	34mm/72W 35mm/120W 39mm/240W 68mm/480W 124mm/960W
Max depth (mm)	30mm	60mm	125mm	120mm	150mm	125mm	
Is Parallelism allowed?	Only with diode	Yes, up to 2 w/o diode	Yes, up to 3 without diode	Yes, up to 3 w/o diode	Yes, up to 5 w/o diode	Yes, up to 10 w/o diode	
Is Redundancy possible?	Only with diode	Only with diode	Only with diode	Only with diode	Only with diode	Yes, don't need diode	
Remote Alarm	No	No	Only >90W	Yes	Yes	Yes	
Digital input (for controll)	No	No	No	No	No	Yes	
Efficiency (depending the model)	82% to 86%	82% to 89%	86% to 94%	85% to 93%	89% to 93%	89% to 94%	
MTBF	>150,000 hrs	> 750,000 hrs	> 520,000 hrs	> 500,000 hrs	> 500,000 hrs	> 1,000,000 hrs	
Shock / Vibration	30 g / - g	15g / 0.7g	30g / 0.7g	15g / 0.7g	30g / 2.3g	30g / 4g	
Output with Class 2 Power (acc. NEC)	No option	Yes, 7 models	Yes, up to 90W	No option	No option	No option	
Approvals							
Applications	General purpose / Serial Standard Machinery and Building	General purpose / Serial Standard Machinery and Building	General purpose / Serial Standard Machinery and Building	General purpose / Serial Standard Machinery	Complex Machinery / Semiconductor Industry	Complex Machinery / Process / Critical application	
Notes	⁽¹⁾ except for 150W models	⁽²⁾ except 5V@6A model (72mm)	⁽³⁾ except 5V@6A (36mm)	⁽³⁾ PRO MAX3 480W...(70mm)			

The Flat Version

PRO PM “the plate-mounting solution”

When cost and space are absolutely critical, you can always count on Weidmüller to offer a solution according to your needs. The PRO PM covers this demand.

Due to the wide range of variants with output voltages of 5, 12, 24, and 48 V and extensive international approvals, they are suitable for use in many applications. The power range extends from 35 W to 350 W. The individual adaptability makes PRO PM the right choice for many standard machines.

- Metal housing power supplies with 30mm thickness designed to plate mounting.
- Reliable in a wide temperature range from -25 °C to +70 °C.
- Outputs voltage of 5, 12 24 or 48Vdc with power from 35 up to 350W leads to 19 different models covering most applications.
- High efficiency and designed to “Green” power with low idling power loss (< 0.5W in open output)



Approvals



Type	Input AC		Output	Dimensions depth x width x height in mm	Recommended Upstream Mini Circuit Breaker (MCB)		Order Number
	Input voltage AC	Voltage / current DC			120Vac L-N	240Vac L1-L2	
PRO PM 35W 5V 7A	90 - 264	5V / 7A	+/- 10% of the nominal	99 x 82 x 30	MCB 489 1P C 2A ACDC	MCB 489 2P C 2A ACDC	2660200277
PRO PM 35W 12V 3A	90 - 264	12V / 3A		99 x 82 x 30	MCB 489 1P C 2A ACDC	MCB 489 2P C 2A ACDC	2660200278
PRO PM 35W 24V 1.5A	90 - 264	24V / 1.5A		99 x 82 x 30	MCB 489 1P C 2A ACDC	MCB 489 2P C 2A ACDC	2660200279
PRO PM 35W 48V 0.75A	90 - 264	48V / 0.75A		99 x 82 x 30	MCB 489 1P C 2A ACDC	MCB 489 2P C 2A ACDC	2660200280
PRO PM 75W 5V 14A	90 - 264	5V / 14A		99 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 2A ACDC	2660200281
PRO PM 75W 12V 6A	90 - 264	12V / 6A		99 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200282
PRO PM 75W 24V 3.2A	90 - 264	24V / 3.2A		99 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200283
PRO PM 75W 48V 1.6A	90 - 264	48V / 1.6A		99 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200284
PRO PM 100W 12V 8.5A	90 - 264	12V / 8.5A		129 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200285
PRO PM 100W 24V 4.5A	90 - 264	24V / 4.5A		129 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200286
PRO PM 100W 48V 2.3A	90 - 264	48V / 2.3A		129 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200287
PRO PM 150W 12V 12.5A	90 - 132 / 180 - 264 (by dip switch)	12V / 12.5A		159 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200288
PRO PM 150W 24V 6.5A		24V / 6.5A		159 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200289
PRO PM 150W 48V 3.3A		48V / 3.3A		159 x 97 x 30	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2660200290
PRO PM 250W 12V 21A	90 - 264	12V / 21A		215 x 115 x 30	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2660200291
PRO PM 250W 24V 10.5A	90 - 264	24V / 10.5A		215 x 115 x 30	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2660200292
PRO PM 250W 48V 5.2A	90 - 264	48V / 5.2A		215 x 115 x 30	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2660200293
PRO PM 350W 24V 14.6A	90 - 264	24V / 14.6A		215 x 115 x 30	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2660200294
PRO PM 350W 48V 7.3A	90 - 264	48V / 7.3A		215 x 115 x 30	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2660200295

A permanent power supply for buildings and machines

INSTA-POWER – compact, highly efficient and reliable

The single-phase INSTA-POWER switched mode power supplies are characterized by a large power spectrum, a compact design and a good price-performance ratio. They are suitable for temperature ranges from -25 °C to +70 °C, have international approvals and a wide range voltage input. This makes them suitable for a wide range of applications. This also includes signal and telecommunication systems as well as automation systems with low power requirements up to 96 watts.

- Extremely compact and particularly energy-efficient
- Available in nine variants with 5, 12, 24 and 48 V DC output voltage
- Universally applicable thanks to international approvals (cCSAus (UL508), Cl. 1, Div. 2, and NEC Class 2 until 90W)
- Flexible on mounting rails or wall mountable at the Switch cabinet
- Fast installation with PUSH IN connection technology

Approvals



Type	Input		Output rated voltage- DC	Adjustable Output	Dimensions width x height x depth in mm	Recommended upstream Mini Circuit Breaker (MCB)		Order number
	Input AC	Input DC				120Vac L-N	240Vac L1-L2	
PRO INSTA 30W 5V 6A	85...264 V AC	95...370 V DC	5 V DC / 6 A	4 - 7 V DC	72 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580210000
PRO INSTA 30W 12V 2.6A	85...264 V AC	95...370 V DC	12 V DC / 2.6 A	9 - 16 VDC	54 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580220000
PRO INSTA 60W 12V 5A	85...264 V AC	95...370 V DC	12 V DC / 5 A	9 - 16 V DC	72 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580240000
PRO INSTA 16W 24V 0.7A	85...264 V AC	95...370 V DC	24 V DC / 0.7 A	22-28 V DC	22,5 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580180000
PRO INSTA 30W 24V 1.3A	85...264 V AC	95...370 V DC	24 V DC / 1.3 A	22-28 V DC	72 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580190000
PRO INSTA 60W 24V 2.5A	85...264 V AC	95...370 V DC	24 V DC / 2.5 A	22-28 V DC	72 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580230000
PRO INSTA 90W 24V 3.8A	85...264 V AC	95...370 V DC	24 V DC / 4 A	22-28 V DC	90 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580250000
PRO INSTA 96W 24V 4A	85...264 V AC	95...370 V DC	24 V DC / 3.8 A	22-28 V DC	90 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580260000
PRO INSTA 96W 48V 2A	85...264 V AC	95...370 V DC	48 V DC / 2 A	35 - 56 V DC	90 x 90 x 60	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2580270000

Robust and Reliable PRObas Power Supply

Optimal combination of all basic functions in a compact design

High performance, compact design and a good price-performance ratio are the main characteristics of the new PRObas power supplies. The product family comprises 12 variants with 5, 12, 24 or 48 V DC output voltage and a wide-range input. All units have comprehensive safety functions and are internationally approved. Due to compatibility with our electronic fuses, DC UPS and diode modules, they are also suitable for setting up power management systems.

- Compact design with flexible mounting (DIN rail or wall)
- High efficiency up to 95%
- -25 bis +70°C wide operating temperature range (Start-Up at -40°C)
- International approvals (cULus, NEC Class2 and cCSAus)

Approvals



NEC CLASS 2 for units up to 90W



Type	Input		Output		Dimensions width x height x depth in mm	Recommended Upstream Mini Circuit Breaker (MCB)		Order number
	Input Voltage AC (only single phase)	Input Voltage DC	Output Nominal voltage / current (DC)	Adjustable Output		120Vac L-N	240Vac L-L2	
PRO BAS 30W 24V 1.3A	85...264V AC	110...370V DC	24V DC / 1.3A	22- 28V DC	23 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838500000
PRO BAS 30W 12V 2.6A	85...264V AC	110...370V DC	12V DC / 2.6A	9- 16V DC	23 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838510000
PRO BAS 30W 5V 6A	85...264V AC	110...370V DC	5V DC / 6A	3- 8 V DC	36 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838400000
PRO BAS 60W 24V 2.5A	85...264V AC	110...370V DC	24V DC / 2.5A	22- 28V DC	36 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838410000
PRO BAS 60W 12V 5A	85...264V AC	110...370V DC	12V DC / 5A	9- 16V DC	36 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838420000
PRO BAS 90W 24V 3.8A	85...264V AC	110...370V DC	24V DC / 3.8A	22- 25V DC	47 x 90 x 85	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	2838430000
PRO BAS 120W 24V 5A	85...264V AC	110...370V DC	24V DC / 5A	22- 28V DC	40 x130 x100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	2838440000
PRO BAS 120W 12V 10A	85...264V AC	110...370V DC	12V DC / 10A	9- 16V DC	40 x130 x100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	2838450000
PRO BAS 240W 24V 10A	85...264V AC	110...370V DC	24V DC / 10A	22- 28V DC	52 x130 x100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	2838460000
PRO BAS 240W 48V 5A	85...264V AC	110...370V DC	48V DC / 5A	36- 56V DC	52 x130 x100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	2838470000
PRO BAS 480W 24V 20A	85...264V AC	110...370V DC	24V DC / 20A	22- 28V DC	59 x130 x125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	2838480000
PRO BAS 480W 48V 10A	85...264V AC	110...370V DC	48V DC / 10A	36- 56V DC	59 x130 x125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	2838490000

Economical power supply solutions

PROeco "the economical solution"

Switched mode power supplies with above average performance values can create real competitive advantages, especially in series machine construction. We have therefore designed our PROeco series to be particularly efficient. With an installation depth of max. 120 mm, you can easily insert the devices even into flat control boxes. And you also achieve space savings of up to 50 % in width. At the same time, all basic functions are included in the compact format.

- Sustainably more efficient due to efficiency of up to 93% and low idling losses
- Reliable in a wide temperature range from -25 °C to +70 °C and with MTBF value of > 500,000 h
- Fast status diagnosis using three-color LED display and integrated status relay



Approvals



Type	Input		Output		Dimensions width x height x depth in mm	Recommended upstream Mini Circuit Breaker (MCB)		Order number		
	1-phase 3--phase	Input voltage AC	Input voltage DC	Output/Nominal voltage / current (DC)		Adjustable Output	120Vac L-N		240Vac L1-L2	
PRO ECO 72W 24V 3A	•	85 - 264 V	80 - 370 V	24 V / 3 A	22...28 V DC	•	34 x 125 x 100	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	1469470000
PRO ECO 120W 24V 5A	•	85 - 264 V	80 - 370 V	24 V / 5 A	22...28 V DC	•	40 x 125 x 100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	1469480000
PRO ECO 240W 24V 10A	•	85 - 264 V	80 - 370 V	24 V / 10 A	22...28 V DC	•	60 x 125 x 100	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	1469490000
PRO ECO 480W 24V 20A	•	85 - 264 V	80 - 370 V	24 V / 20 A	22...28 V DC	•	100 x 125 x 120	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	1469510000
PRO ECO 960W 24V 40A	•	85 - 264 V	80 - 370 V	24 V / 40 A	22...28 V DC	•	160 x 125 x 120	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	1469520000
PRO ECO 72W 12V 6A	•	85 - 264 V	80 - 370 V	12 V / 6 A	10...16 V DC	•	34 x 125 x 100	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	1469570000
PRO ECO 120W 12V 10A	•	85 - 264 V	80 - 370 V	12 V / 10 A	10...16 V DC	•	40 x 125 x 100	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	1469580000
PRO ECO 240W 48V 5A	•	85 - 264 V	80 - 370 V	48 V / 5 A	42...56 V DC	•	60 x 125 x 100	MCB 489 1P C 4A ACDC	MCB 489 2P C 4A ACDC	1469590000
PRO ECO 480W 48V 10A	•	85 - 264 V	80 - 370 V	48 V / 10 A	42...56 V DC	•	100 x 125 x 120	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	1469610000
								L1-L2-L3		
PRO ECO3 120W 24V 5A	•	3x 340 - 575 V	450 - 870 V	24 V / 5 A	22...28 V DC	•	40 x 125 x 100	MCB 489 3P C 3A ACDC		1469530000
PRO ECO3 240W 24V 10A	•	3x 340 - 575 V	450 - 870 V	24 V / 10 A	22...28 V DC	•	60 x 125 x 100	MCB 489 3P C 3A ACDC		1469540000
PRO ECO3 480W 24V 20A	•	3x 340 - 575 V	450 - 870 V	24 V / 20 A	22...28 V DC	•	100 x 125 x 120	MCB 489 3P C 5A ACDC		1469550000
PRO ECO3 960W 24V 40A	•	3x 340 - 575 V	450 - 870 V	24 V / 40 A	22...28 V DC	•	160 x 125 x 120	MCB 489 3P C 8A ACDC		1469560000

Maximum load capacity and versatility in application

PROmax, 'the powerhouse'

The powerful switched mode power supplies of the PROmax series are designed for demanding mechanical engineering applications. They show their strengths in plant engineering, in the food and beverage industry, in automotive engineering and even in plants of the process industry. Permanent overloads up to 20% of nominal current at 45 °C or short-term peak loads until 300% of nominal current are easily absorbed by PROmax. With start-up temperatures as low as -25 °C, the power supplies are particularly robust. Thanks to their small overall width, they also fit into limited space conditions. A wide range of approvals make PROmax suitable for worldwide use.

- High load capacity with constant output powers up to 120% at temperatures up to + 45 °C and high output peaks up to 300%
- Universally applicable with variants from 3 A to 40 A output current and output voltages from 5 V DC to 48 V DC
- Particularly robust with start-up temperatures of -25 °C



Approvals



Type	Input		Output		Dimensions width x height x depth in mm	Recommended upstream Mini Circuit Breaker (MCB)		Order number		
	1-phase 2/3-phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)		Adjustable Output	120Vac L-N		240Vac L1-L2	
PRO MAX 72W 24V 3A	•	85 - 277 V	80 - 370 V	24 V / 3 A	22,5 - 29,5 V	•	32 x 130 x 125	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	1478100000
PRO MAX 120W 24V 5A	•	85 - 277 V	80 - 370 V	24 V / 5 A	22,5 - 29,5 V	•	40 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	1478110000
PRO MAX 180W 24V 7,5A	•	85 - 277 V	80 - 370 V	24 V / 7,5 A	22,5 - 29,5 V	•	50 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	1478120000
PRO MAX 240W 24V 10A	•	85 - 277 V	80 - 370 V	24 V / 10 A	22,5 - 29,5 V	•	60 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	1478130000
PRO MAX 480W 24V 20A	•	85 - 277 V	80 - 370 V	24 V / 20 A	22,5 - 29,5 V	•	90 x 130 x 150	MCB 489 1P C 10A ACDC	MCB 489 2P C 10A ACDC	1478140000
PRO MAX 960W 24V 40A	•	85 - 277 V	80 - 370 V	24 V / 40 A	22,5 - 29,5 V	•	140 x 130 x 150	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	1478150000
PRO MAX 70W 5V 14A	•	85 - 277 V	80 - 370 V	5 V / 14 A	4,5 - 7 V	•	32 x 130 x 125	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	1478210000
PRO MAX 72W 12V 6A	•	85 - 277 V	80 - 370 V	12 V / 6 A	10 - 15 V	•	32 x 130 x 125	MCB 489 1P C 5A ACDC	MCB 489 2P C 5A ACDC	1478220000
PRO MAX 120W 12V 10A	•	85 - 277 V	80 - 370 V	12 V / 10 A	10 - 15 V	•	40 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	1478230000
PRO MAX 240W 48V 5A	•	85 - 277 V	80 - 370 V	48 V / 5 A	30 - 56 V	•	60 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	1478240000
PRO MAX 480W 48V 10A	•	85 - 277 V	80 - 370 V	48 V / 10 A	30 - 56 V	•	90 x 130 x 150	MCB 489 1P C 10A ACDC	MCB 489 2P C 10A ACDC	1478250000
PRO MAX 960W 48V 20A	•	85 - 277 V	80 - 370 V	48 V / 20 A	30 - 56 V	•	140 x 130 x 150	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	1478270000
								L1-L2-L3		
PRO MAX3 120W 24V 5A	•	3 x 320 - 575 V	450 - 800 V	24 V / 5 A	22,5 - 29,5 V	•	40 x 130 x 125	MCB 489 3P C 3A ACDC		1478170000
PRO MAX3 240W 24V 10A	•	3 x 320 - 575 V	450 - 800 V	24 V / 10A	22,5 - 29,5 V	•	60 x 130 x 125	MCB 489 3P C 5A ACDC		1478180000
PRO MAX3 480W 24V 20A	•	3 x 320 - 575 V	450 - 800 V	24 V / 20 A	22,5 - 29,5 V	•	90 x 130 x 150	MCB 489 3P C 5A ACDC		1478190000
PRO MAX3 960W 24V 40A	•	3 x 320 - 575 V	450 - 800 V	24 V / 40 A	22,5 - 29,5 V	•	140 x 130 x 150	MCB 489 3P C 8A ACDC		1478200000

Reliable power supply for highest demands

PROtop 'the innovative one'

If reliable availability and energy efficiency are required even under adverse conditions or in hard-to-reach locations, then our PROtop family is the right choice. The predestined solution. The powerful DCL technology gives the switched mode power supply units an outstanding Dynamic range - ideal for reliable pulse triggering of miniature and standard circuit breakers or as additional energy for powerful motor starts.

- Safe tripping of miniature circuit breakers due to peak current reserve of 600% for 20ms
- Efficiencies of up to 95.4% lead to low heat losses and extremely space saving housings
- New data interface makes the PROtop power supplies fit for digitization
- Start-up temperatures as low as -40 °C (for EX/C1D2 version)
- Redundancy without diode module



Approvals



Type	Input		Output		Dimensions width x height x depth in mm	Recommended upstream Mini Circuit Breaker (MCB)		Order number		
	1-phase 3--phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)		Adjustable Output	Parallel running		120Vac L-N	240Vac L1-L2
PRO TOP1 72W 24V 3A	•	85 - 277 V	80 - 410 V	24 V / 3 A	22.5 - 29 V DC	•	35 x 120 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466850000
PRO TOP1 120W 24V 5A	•	85 - 277 V	80 - 410 V	24 V / 5 A	22.5 - 29 V DC	•	35 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466870000
PRO TOP1 240W 24V 10A	•	85 - 277 V	80 - 410 V	24 V / 10 A	22.5 - 29 V DC	•	39 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466880000
PRO TOP1 480W 24V 20A	•	85 - 277 V	80 - 410 V	24 V / 20 A	22.5 - 29 V DC	•	68 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	2466890000
PRO TOP1 960W 24V 40A	•	85 - 277 V	80 - 410 V	24 V / 40 A	22.5 - 29 V DC	•	124 x 130 x 125	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	2466900000
PRO TOP1 120W 12V 10A	•	85 - 277 V	80 - 410 V	12 V / 10 A	11...15 V DC	•	35 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466910000
PRO TOP1 480W 48V 10A	•	85 - 277 V	80 - 410 V	48 V / 10 A	45...56 V DC	•	68 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	2467030000
PRO TOP1 960W 48V 20A	•	85 - 277 V	80 - 410 V	48 V / 20 A	45...56 V DC	•	124 x 130 x 125	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	2466920000
PRO TOP1 72W 24V 3A CO	•	85 - 277 V	80 - 410 V	24 V / 3 A	22.5 - 29 V DC	•	35 x 120 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466970000
PRO TOP1 120W 24V 5A EX	•	85 - 277 V	80 - 410 V	24 V / 5 A	22.5 - 29 V DC	•	35 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466980000
PRO TOP1 240W 24V 10A EX	•	85 - 277 V	80 - 410 V	24 V / 10 A	22.5 - 29 V DC	•	39 x 130 x 125	MCB 489 1P C 6A ACDC	MCB 489 2P C 6A ACDC	2466990000
PRO TOP1 480W 24V 20A EX	•	85 - 277 V	80 - 410 V	24 V / 20 A	22.5 - 29 V DC	•	68 x 130 x 125	MCB 489 1P C 8A ACDC	MCB 489 2P C 8A ACDC	2467000000
PRO TOP1 960W 24V 40A EX	•	85 - 277 V	80 - 410 V	24 V / 40 A	22.5 - 29 V DC	•	124x 130 x 125	MCB 489 1P C 16A ACDC	MCB 489 2P C 16A ACDC	2467010000
								L1-L2-L3		
PRO TOP3 120W 24V 5A	•	3 x 320 - 575 V	450 - 800 V	24 V / 5 A	22.5 - 29 V DC	•	38 x 130 x 125	MCB 489 3P C 2A ACDC		2467060000
PRO TOP3 240W 24V 10A	•	3 x 320 - 575 V	450 - 800 V	24 V / 10 A	22.5 - 29 V DC	•	49 x 130 x 125	MCB 489 3P C 3A ACDC		2467080000
PRO TOP3 480W 24V 20A	•	3 x 320 - 575 V	450 - 800 V	24 V / 20 A	22.5 - 29 V DC	•	68 x 130 x 125	MCB 489 3P C 5A ACDC		2467100000
PRO TOP3 960W 24V 40A	•	3 x 320 - 575 V	450 - 800 V	24 V / 40 A	22.5 - 29 V DC	•	90 x 130 x 175	MCB 489 3P C 8A ACDC		2467120000
PRO TOP3 480W 48V 10A	•	3 x 320 - 575 V	450 - 800 V	48 V / 10 A	45...56 V DC	•	68 x 130 x 125	MCB 489 3P C 5A ACDC		2467150000
PRO TOP3 960W 48V 20A	•	3 x 320 - 575 V	450 - 800 V	48 V / 20 A	45...56 V DC	•	90 x 130 x 175	MCB 489 3P C 8A ACDC		2467170000

Reliably protect sensitive system components with our extension modules

Make your supply concept permanent. Connect your switched mode power supplies with optimally matched supplementary modules:

- Modular configurable DC UPS system with lead-gel batteries, gives autonomy to our equipment
- Buffer module: Capacitor-based, maintenance-free which supports loads of 20A / 260 ms or 4A/ 1s.
- Capacity module: Offers energy reserves, for example to trigger a miniature circuit breaker quickly and specifically
- Redundancy diode modules: for safe parallel operation and/or active load sharing



Dimensions			
Type	Description	Width x Height x Depth in mm	Order number
CP DC UPS 24V 20A/10A	UPS control unit for 24 V DC@10 A or 20 A	66 x 130 x 150	1370050010
CP DC UPS 24V 40A	UPS control unit for 24 V DC@40 A	66 x 130 x 150	1370040010
DURA ECO LA-BAT 24V DC 1.2AH	Battery Module 24V 1.2Ah / Buffer time: 40min@1A	52 x 149.5 x 124	2789890000
DURA ECO LA-BAT 24V DC 3.4Ah	Battery Module 24V 3.4Ah / Buffer time: 10min@10A	108 x 141 x 166	2789900000
DURA ECO LA-BAT 24V DC 7Ah	Battery Module 24V 7Ah / Buffer time: 23min@10A	162 x 158 x 135	2789910000
DURA ECO LA-BAT 24V DC 12Ah	Battery Module 24V 12Ah / Buffer time: 50min@10A	229 x 158 x 135	2789920000
DURA ECO LA-BAT 24V DC 17Ah	Battery Module 24V 17Ah / Buffer time: 72min@10A	242 x 178 x 189	2789930000
PRO DC BUFFER 24V 20A	Capacitive buffer for short mains interruption / Buffer time: 200ms@20A	55 x 125 x 130	2786240000
PRO DC BUFFER 24V 40A	Capacitive buffer for short mains interruption / Buffer time: 200ms@40A	65 x 125 x 130	2786250000
PRO DM 10	Redundancy module 24 V DC 2 x 10 A	32 x 125 x 125	2466070000
PRO DM 20	Redundancy module 24 V DC 2 x 20 A	32 x 125 x 125	2466080000
PRO RM 10	Redundancy module 24 V DC 2 x 10 A / active load sharing	30 x 130 x 125	2486090000
PRO RM 20	Redundancy module 24 V DC 2 x 20 A / active load sharing	38 x 130 x 125	2486100000
PRO RM 40	Redundancy module 24 V DC 2 x 40 A / active load sharing	52 x 130 x 125	2486110000

VPU AC US Series

Surge protectors for power supplies according to the network grid type

High-performance surge protection for the North American market that meets the requirements of NFPA 79.

In the USA, electrical installations need to have surge protection. The current safety standard NFPA 79 (Edition 2018) defines the use of surge protection devices in machines with safety circuits.

According to NFPA 79, surge protection products must ensure voltage limitation according to the insulation coordination. This requirement is met by devices of the VARITECTOR PU US series. They are UL listed, which includes the requirements of NFPA 79. The product series has been specially adapted to the North American market. In addition to the requirements of UL 1449 Ed. 4, it also meets the EN 61643-11 standard and can therefore be applied worldwide.



Approvals



Type	NFPA 79 Compliance Data	UL Voltages (L-PE)/(L-L)	North American Network Grid Type	Status Indication	Order Number
VPU AC II US 1 120/50	<ul style="list-style-type: none"> Type 1 CA/ Type II IEC UL 1449 Ed. 4th SCCR = 200kA Fuseless operation up to 315A 4000 m altitude rated 1 PE connection point Safety locking mechanism Operation Temp: -40°C - 85 °C High withstand MCOV ratings Low VPR meaning better protection 	120 V ±10%	Single Phase	Local & remote	2730450000
VPU AC II US 1 R 120/50		120 V ±10%	Single Phase	Local & remote	2730460000
VPU AC II US 2 120/50		120 V / 240V±10%	Split-Phase	Local	2730470000
VPU AC II US 2 R 120/50		120 V / 240V±10%	Split-Phase	Local & remote	2730480000
VPU AC II US 1 240/50		240V ±10%	Single Phase	Local	2736300000
VPU AC II US 1 R 240/50		240V ±10%	Single Phase	Local & remote	2736310000
VPU AC II US 3 R 240/50 Y		240V ±10%	Delta Grounded Corner 3-phase	Local & remote	2736460000
VPU AC II US 3 277/50	<ul style="list-style-type: none"> Type 1 CA/ Type II IEC UL 1449 Ed. 4th SCCR = 200kA Fuseless operation up to 315A 4000 m altitude rated 1 PE connection point Safety locking mechanism Operation Temp: -40°C - 85 °C High withstand MCOV ratings Low VPR meaning better protection 	277 V / 480 V±10%	WYE 3-Phase without Neutral	Local	2730600000
VPU AC II US 3 R 277/50		277 V / 480 V±10%	WYE 3-Phase without Neutral	Local & remote	2730610000
VPU AC II US 4 277/50		277 V / 480 V±10%	WYE 3-Phase with Neutral	Local	2730620000
VPU AC II US 4 R 277/50		277 V / 480 V±10%	WYE 3-Phase with Neutral	Local & remote	2730630000
VPU AC II US 3+1 277/50		277 V / 480 V±10%	WYE 3-Phase with Neutral	Local	2730680000
VPU AC II US 3+1 R 277/50		277 V / 480 V±10%	WYE 3-Phase with Neutral	Local & remote	2736440000

Weidmüller – Your partner in Industrial Connectivity

As experienced experts, we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signals and data. We are at home in their industries and markets and understand the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together, we set standards in Industrial Connectivity.

Weidmuller, Ltd
10 Spy Court
Markham, Ontario L3R 5H6
Telephone: (800) 268-4080
Email: info1@weidmuller.ca
www.weidmuller.ca

Weidmuller, SA de CV
Blvd. Hermanos Serdan 698,
Col. San Rafael Oriente
Puebla, Puebla, Mexico C.P. 72029
Telephone: 01 222 2686267
Email: clientes@weidmuller.com.mx
www.weidmuller.com.mx

Weidmuller, Inc.
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Email: info@weidmuller.com
www.weidmuller.com

Weidmüller 