

Make your systems fail-safe
With us you have an everlasting supply
Let's connect.

Power Supply



Weidmüller 

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 20 ms
- 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



Type	Input				Output			Dimensions width x height x depth in mm	Order number
	1-phase	2/3 -phase	input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)	Adjustable Output	parallel running		
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	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	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	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	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	2466900000
PRO TOP3 120W 24V 5A		•	3 x 320 - 575 V	3 x 450 - 800 V	24 V / 5 A	22,5 - 29 V DC	•	38 x 130 x 125	2467060000
PRO TOP3 240W 24V 10A		•	3 x 320 - 575 V	3 x 450 - 800 V	24 V / 10 A	22,5 - 29 V DC	•	49 x 130 x 125	2467080000
PRO TOP3 480W 24V 20A		•	3 x 320 - 575 V	3 x 450 - 800 V	24 V / 20 A	22,5 - 29 V DC	•	68 x 130 x 125	2467100000
PRO TOP3 960W 24V 40A		•	3 x 320 - 575 V	3 x 450 - 800 V	24 V / 40 A	22,5 - 29 V DC	•	90 x 130 x 175	2467120000
PRO TOP1 120W 12V 10A	•		85 - 277 V	80 - 410 V	12 V / 10 A	11...15 V DC	•	35 x 130 x 125	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	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	2466920000
PRO TOP3 480W 48V 10A		•	3 x 320 - 575 V	3 x 450 - 800 V	48 V / 10 A	45...56 V DC	•	68 x 130 x 125	2467150000
PRO TOP3 960W 48V 20A		•	3 x 320 - 575 V	3 x 450 - 800 V	48 V / 20 A	45...56 V DC	•	90 x 130 x 175	2467170000
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	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	2466890000
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	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	2467000000
PRO TOP1 960W 24V 40A EX	•		85 - 277 V	80 - 410 V	24 V / 40 A	22,5 - 29 V DC	•	124 x 130 x 125	2467010000

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



Type	Input				Output			Dimensions width x height x depth in mm	Order number
	1-phase	2/3-phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)	Adjustable Output	parallel running		
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	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	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	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	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	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	1478150000
PRO MAX3 120W 24V 5A		•	3 x 320 - 575 V	3x 450 - 800 V	24 V / 5 A	22,5 - 29,5 V	•	40 x 130 x 125	1478170000
PRO MAX3 240W 24V 10A		•	3 x 320 - 575 V	3x 450 - 800 V	24V / 10A	22,5 - 29,5 V	•	60 x 130 x 125	1478180000
PRO MAX3 480W 24V 20A		•	3 x 320 - 575 V	3x 450 - 800 V	24 V / 20 A	22,5 - 29,5 V	•	90 x 130 x 150	1478190000
PRO MAX3 960W 24V 40A		•	3 x 320 - 575 V	3x 450 - 800 V	24 V / 40 A	22,5 - 29,5 V	•	140 x 130 x 150	1478200000
PRO MAX 70W 5V 14A	•		85 - 277 V	80 - 370 V	5 V / 14 A	4,5 - 7 V	•	32 x 130 x 125	1478210000
PRO MAX 72W 12V 6A	•		85 - 277 V	80 - 370 V	12 V / 6 A	10 - 15 V	•	32 x 130 x 125	1478220000
PRO MAX 120W 12V 10A	•		85 - 277 V	80 - 370 V	12 V / 10 A	10 - 15 V	•	40 x 130 x 125	1478230000
PRO MAX 240W 48V 5A	•		85 - 277 V	80 - 370 V	48 V / 5 A	30 - 56 V	•	60 x 130 x 125	1478240000
PRO MAX 480W 48V 10A	•		85 - 277 V	80 - 370 V	48 V / 10 A	30 - 56 V	•	90 x 130 x 150	1478250000
PRO MAX 960W 48V 20A	•		85 - 277 V	80 - 370 V	48 V / 20 A	30 - 56 V	•	140 x 130 x 150	1478270000

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



Type	Input			Output			Dimensions width x height x depth in mm	Order number	
	1-phase	2/3-phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)	Adjustable Output			parallel running
PRO ECO 72W 24V 3A	•		85 - 264 V	80 - 370 V	24 V / 3 A	22...28 V DC	•	34 x 125 x 100	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	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	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	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	1469520000
PRO ECO3 120W 24V 5A		•	3x 340 - 575 V	3x 450 - 870 V	24 V / 5 A	22...28 V DC	•	40 x 125 x 100	1469530000
PRO ECO3 240W 24V 10A		•	3x 340 - 575 V	3x 450 - 870 V	24 V / 10 A	22...28 V DC	•	60 x 125 x 100	1469540000
PRO ECO3 480W 24V 20A		•	3x 340 - 575 V	3x 450 - 870 V	24 V / 20 A	22...28 V DC	•	100 x 125 x 120	1469550000
PRO ECO3 960W 24V 40A		•	3x 340 - 575 V	3x 450 - 870 V	24 V / 40 A	22...28 V DC	•	160 x 125 x 120	1469560000
PRO ECO 72W 12V 6A	•		85 - 264 V	80 - 370 V	12 V / 6 A	10...16 V DC	•	34 x 125 x 100	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	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	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	1469610000

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



Type	Input		Output		Dimensions width x height x depth in mm	Order number.
	Input AC	Input DC	rated voltage- DC	Adjustable Output		
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	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	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	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	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	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	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	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	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	2580270000

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 20 A / 260 ms or 4A/ 10s.
- 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



Type	Reference	Dimensions 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
CP A BATTERY 24V DC 1.3Ah	Battery module 24 VDC 1.3 Ah / support capacity 3 A / 10 min	52 x 148 x 124	1406930000
CP A BATTERY 24V DC 3.4Ah	Battery module 24 VDC 3.4 Ah / support capacity 5 A / 20 min	108 x 144 x 137	1251070000
CP A BATTERY 24V DC 7.2Ah	Battery module 24 VDC 7.2 Ah / supporting capacity 10 A / 20 min	162 x 155 x 134	1251080000
CP A BATTERY 24V DC 12Ah	Battery module 24 VDC 12 Ah / supporting capacity 10 A / 40 min	229 x 155 x 134	1251090000
CP A BATTERY 24V DC 17Ah	Battery module 24 VDC 17 Ah / supporting capacity 20 A / 30 min	242 x 178 x 160	1251110000
CP DC BUFFER 24V 20A	Buffer module for bridging short mains interruptions	66 x 130 x 150	1251220000
CP M CAP	Capacity module	34 x 130 x 150	1222240000
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

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.

We cannot guarantee that there are no mistakes in the publications or software provided by us to the customer for the purpose of processing orders. We try our best to quickly correct any errors in our printed media.

All orders are based on our general terms of delivery, which can be reviewed on the websites of our group companies where you place your order. Upon request, we can also send the general terms of delivery to you.

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