

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

Power Supply



Weidmüller 

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	PROeco	PROmax	PROtop
Input	Input single phase (Vac)	90...264 Vac ⁽¹⁾	85...264 Vac	85...264 Vac	85...277 Vac	85...277 Vac
	Input three phase (Vac)	No option	No option	340...575Vac	320...575Vac	320...575Vac
	Input DC (Vdc) - Single phase models	Not allowed	95...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	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 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	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	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	IxU (120% Inominal, U > 0)	IxU (110% Inominal, U > 0)	IxU (120% Inominal, U > 0)	Selectable by dip-switch: IxU or shutdown after time pre programed
Dimensions	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	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	120mm	150mm	125mm
	Is Parallelism allowed?	Only with diode	Yes, up to 2 w/o 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	Yes, don't need diode
	Remote Alarm	No	No	Yes	Yes	Yes
	Digital input (for controll)	No	No	No	No	Yes
	Efficiency (depending the model)	82% to 86%	82% to 89%	85% to 93%	89% to 93%	89% to 94%
	MTBF	>150,000 hrs	> 750,000 hrs	> 500,000 hrs	> 500,000 hrs	> 1,000,000 hrs
	Shock / Vibration	30 g / - g	15g / 0.7g	15g / 0.7g	30g/ 2.3g	30g / 4g
	Output with Class 2 Power (acc. NEC)	No option	Yes, 7 models	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	Complex Machinery / Semiconductor Industry	Complex Machinery / Process / Critical application
Notes		⁽¹⁾ except for 150W models	⁽²⁾ except 5V@6A model (72mm)		⁽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

UL[®] E344438



Type	Input AC		Output	Adjustable Voltage	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	BR1C2UC	BR2C2UC	2660200277
PRO PM 35W 12V 3A	90 - 264	12V / 3A			99 x 82 x 30	BR1C2UC	BR2C2UC	2660200278
PRO PM 35W 24V 1.5A	90 - 264	24V / 1.5A			99 x 82 x 30	BR1C2UC	BR2C2UC	2660200279
PRO PM 35W 48V 0.75A	90 - 264	48V / 0.75A			99 x 82 x 30	BR1C2UC	BR2C2UC	2660200280
PRO PM 75W 5V 14A	90 - 264	5V / 14A			99 x 97 x 30	BR1C4UC	BR2C4UC	2660200281
PRO PM 75W 12V 6A	90 - 264	12V / 6A			99 x 97 x 30	BR1C4UC	BR2C4UC	2660200282
PRO PM 75W 24V 3.2A	90 - 264	24V / 3.2A			99 x 97 x 30	BR1C4UC	BR2C4UC	2660200283
PRO PM 75W 48V 1.6A	90 - 264	48V / 1.6A			99 x 97 x 30	BR1C4UC	BR2C4UC	2660200284
PRO PM 100W 12V 8.5A	90 - 264	12V / 8.5A			129 x 97 x 30	BR1C4UC	BR2C4UC	2660200285
PRO PM 100W 24V 4.5A	90 - 264	24V / 4.5A			129 x 97 x 30	BR1C4UC	BR2C4UC	2660200286
PRO PM 100W 48V 2.3A	90 - 264	48V / 2.3A			129 x 97 x 30	BR1C4UC	BR2C4UC	2660200287
PRO PM 150W 12V 12.5A	90 - 132 / 180 - 264 (by dip switch)	12V / 12.5A			159 x 97 x 30	BR1C4UC	BR2C4UC	2660200288
PRO PM 150W 24V 6.5A		24V / 6.5A			159 x 97 x 30	BR1C4UC	BR2C4UC	2660200289
PRO PM 150W 48V 3.3A		48V / 3.3A			159 x 97 x 30	BR1C4UC	BR2C4UC	2660200290
PRO PM 250W 12V 21A	90 - 264	12V / 21A			215 x 115 x 30	BR1C6UC	BR2C6UC	2660200291
PRO PM 250W 24V 10.5A	90 - 264	24V / 10.5A			215 x 115 x 30	BR1C6UC	BR2C6UC	2660200292
PRO PM 250W 48V 5.2A	90 - 264	48V / 5.2A			215 x 115 x 30	BR1C6UC	BR2C6UC	2660200293
PRO PM 350W 24V 14.6A	90 - 264	24V / 14.6A			215 x 115 x 30	BR1C6UC	BR2C6UC	2660200294
PRO PM 350W 48V 7.3A	90 - 264	48V / 7.3A			215 x 115 x 30	BR1C6UC	BR2C6UC	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.

Approvals



- 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	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	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	BR1C4UC BR2C4UC	2580270000

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



Input			Output			Dimensions		Recommended upstream Mini Circuit Breaker (MCB)			
Type	1-phase	3-phase	Input voltage AC	Input voltage DC	Output/Nominal voltage / current (DC)	Adjustable Output	parallel running	width x height x depth in mm	120Vac L-N	240Vac L1-L2	Order number
PRO ECO 72W 24V 3A	•		85 - 264 V	80 - 370 V	24 V/ 3 A	22...28 V DC	•	34 x 125 x 100	BR1C4UC	BR2C4UC	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	BR1C5UC	BR2C5UC	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	BR1C4UC	BR2C4UC	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	BR1C8UC	BR2C8UC	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	BR1C16UC	BR2C16UC	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	BR1C4UC	BR2C4UC	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	BR1C5UC	BR2C5UC	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	BR1C4UC	BR2C4UC	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	BR1C8UC	BR2C8UC	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	BR3C3UC		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	BR3C3UC		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	BR3C5UC		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	BR3C8UC		

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



Input					Output		Dimensions		Recommended upstream Mini Circuit Breaker (MCB)		Order number									
Type	1-phase 2/3 - phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)	Adjustable Output	parallel running	width x height x depth in mm	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	BR1C5UC	BR2C5UC	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	BR1C6UC	BR2C6UC		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	BR1C8UC	BR2C8UC			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	BR1C8UC	BR2C8UC				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	BR1C10UC	BR2C10UC					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	BR1C16UC	BR2C16UC						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	BR1C5UC	BR2C5UC							1478210000				
PRO MAX 72W 12V 6A	●	85 – 277 V	80 – 370 V	12 V/ 6 A	10 - 15 V	●	32 x 130 x 125	BR1C5UC	BR2C5UC								1478220000			
PRO MAX 120W 12V 10A	●	85 – 277 V	80 – 370 V	12 V/ 10 A	10 - 15 V	●	40 x 130 x 125	BR1C6UC	BR2C6UC									1478230000		
PRO MAX 240W 48V 5A	●	85 – 277 V	80 – 370 V	48 V/ 5 A	30 - 56 V	●	60 x 130 x 125	BR1C8UC	BR2C8UC										1478240000	
PRO MAX 480W 48V 10A	●	85 – 277 V	80 – 370 V	48 V/ 10 A	30 - 56 V	●	90 x 130 x 150	BR1C10UC	BR2C10UC											1478250000
PRO MAX 960W 48V 20A	●	85 – 277 V	80 – 370 V	48 V/ 20 A	30 - 56 V	●	140 x 130 x 150	BR1C16UC	BR2C16UC											
								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	BR3C3UC		1478170000										
PRO MAX3 240W 24V 10A	●	3 x 320 – 575 V	450 – 800 V	24V / 10A	22,5 - 29,5 V	●	60 x 130 x 125	BR3C5UC			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	BR3C5UC				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	BR3C8UC												

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



Input				Output			Dimensions		Recommended upstream Mini Circuit Breaker (MCB)	
Type	1-phase 3 -phase	Input voltage AC	Input voltage DC	Output Nominal voltage / current (DC)	Adjustable Output	Parallel running	width x height x depth in mm	120Vac L-N	240Vac L1-L2	Order number
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	BR1C6UC	BR2C6UC	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	BR1C6UC	BR2C6UC	2466870000
PRO TOP1 240W 24V 10A	•	85 - 277 V	80 - 410 V	24 V/ 10 A	22,5 - 29 V DC	•	39 x130 x 125	BR1C6UC	BR2C6UC	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	BR1C8UC	BR2C8UC	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	BR1C16UC	BR2C16UC	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	BR1C6UC	BR2C6UC	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	BR1C8UC	BR2C8UC	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	BR1C16UC	BR2C16UC	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	BR1C6UC	BR2C6UC	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	BR1C6UC	BR2C6UC	2466980000
PRO TOP1 240W 24V 10A EX	•	85 - 277 V	80 - 410 V	24 V/ 10 A	22,5 - 29 V DC	•	39 x130 x 125	BR1C6UC	BR2C6UC	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	BR1C8UC	BR2C8UC	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	BR1C16UC	BR2C16UC	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 x125	BR3C2UC		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 130 125	BR3C3UC		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 x125	BR3C5UC		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	BR3C8UC		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	BR3C5UC		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	BR3C8UC		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	Reference	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 x137	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 x150	1251220000
CP M CAP	Capacity module	34 x 130 x150	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

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	- 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	- 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
VPU AC II US 3 277/50		277 V / 480 V±10%	WYE 3-Phase with Neutral	Local & remote	2736440000

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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.

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