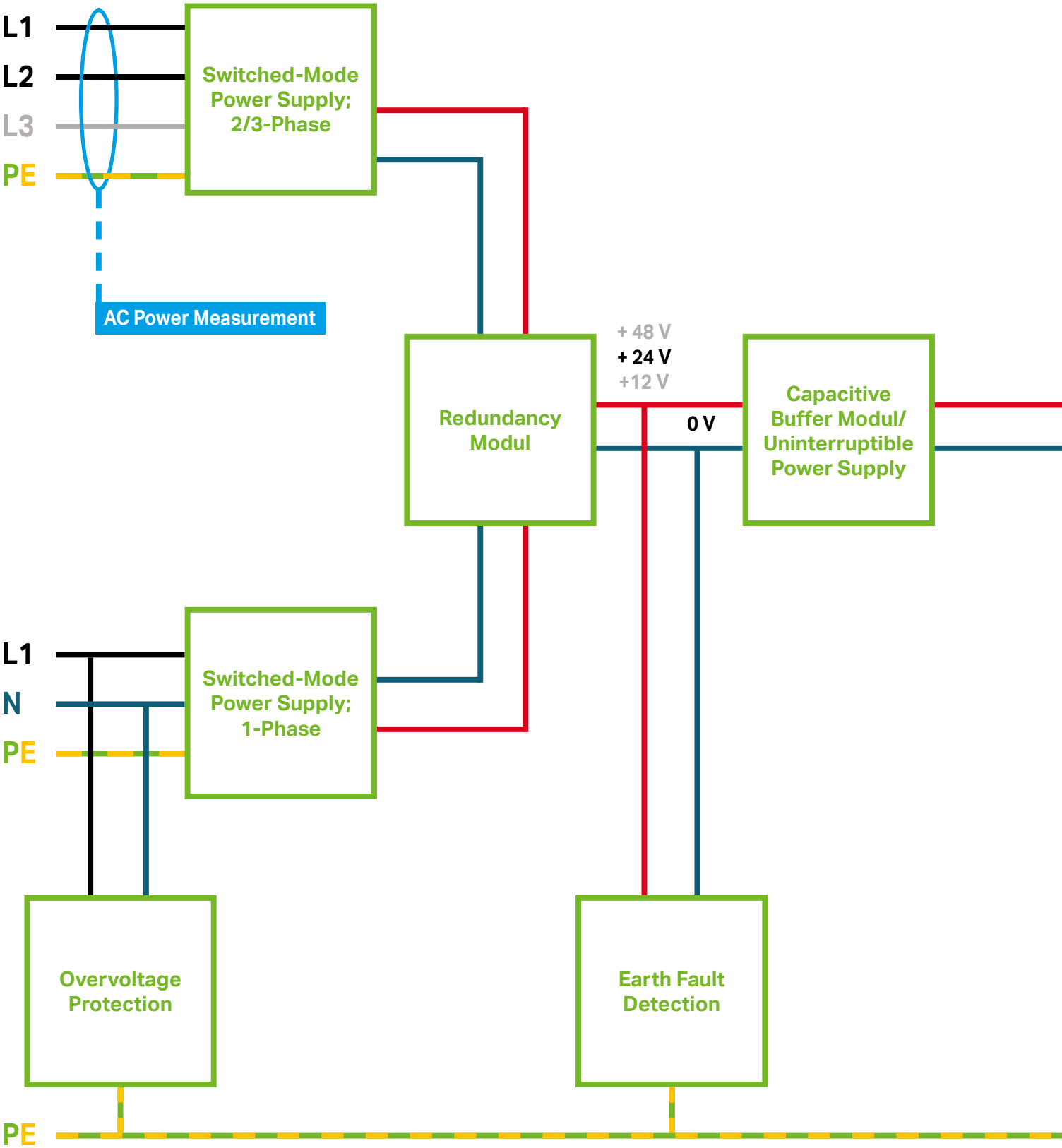
WAGO Power Supplies

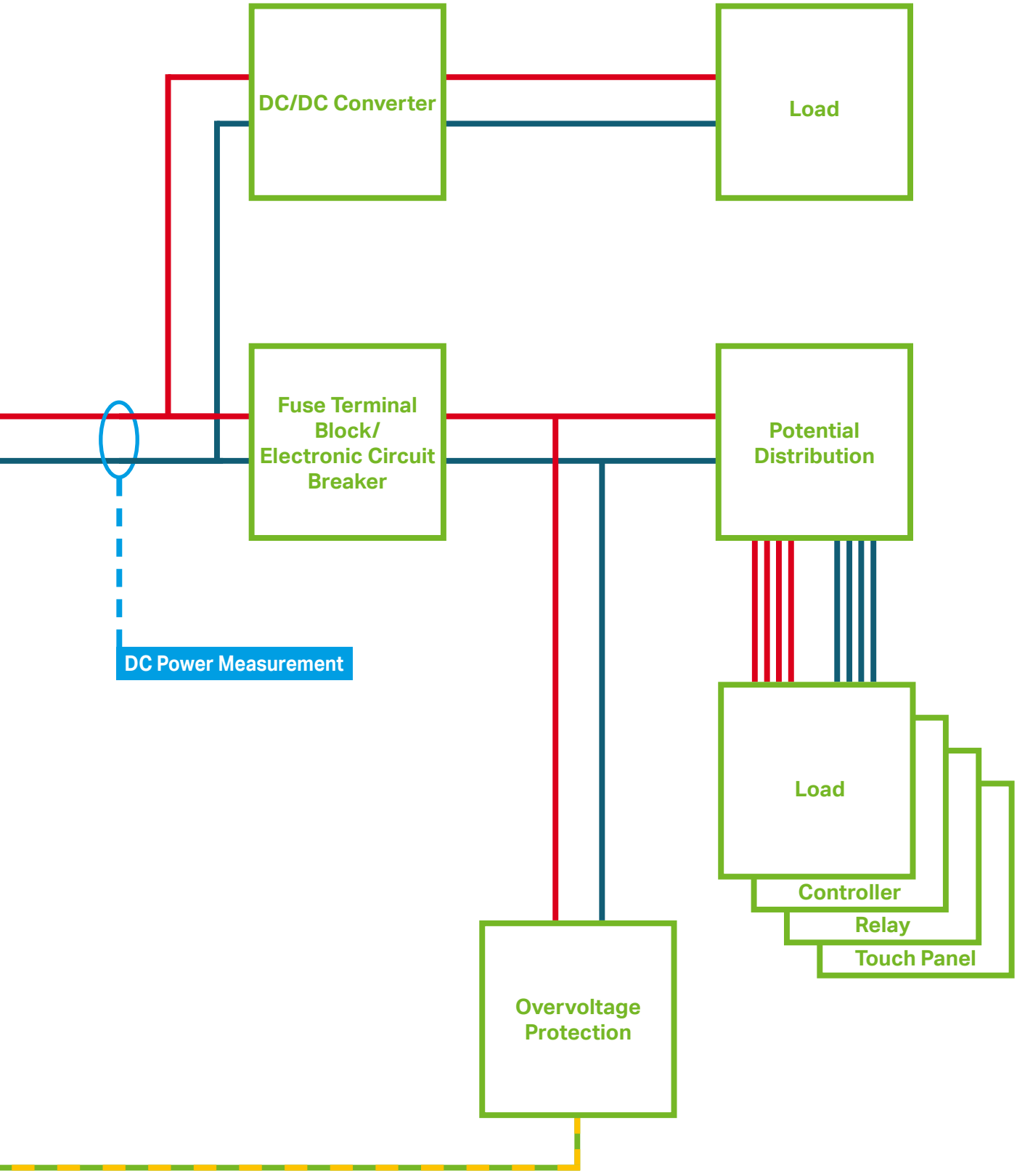
WAGO Power Supplies

		Page
	**Switched-Mode Power Supplies** Selection Guide	410
	**Uninterruptible Power Supplies (UPS)** Selection Guide	412
	**Battery Modules** Selection Guide	412
	**Capacitive Buffer Modules** Selection Guide	412
	**Redundancy Modules** Selection Guide	412
	**DC/DC Converters** Selection Guide	412
	**Electronic Circuit Breakers** Selection Guide	413
	**Safety Transformers** Selection Guide	413

WAGO Power Supplies
System Overview



WAGO Power Supplies
System Overview



WAGO Power Supplies

WAGO Power Supplies Pro 2

New Generation of Professional Power Supplies for Applications Requiring High Performance, Efficiency and Reliability

WAGO's Pro 2 Power Supplies offer tremendous added value thanks to flexible configuration and comprehensive monitoring via optional communication interface (WAGO USB Communication Cable and IO-Link Communication Module).

Advantages:

- TopBoost function: Up to 600% output current for 15 ms
- PowerBoost function: 150% output power for 5 s
- High efficiency thanks to a CCFL inverter topology
- Single- and three-phase power supplies with output voltages of 24 VDC and nominal output currents from 5 to 40 A
- Communication interface for configuring threshold values, overload and DI/DO behavior, as well as monitoring output variables, warning and error messages
- Permanent communication via IO-Link through an optional pluggable communication module

5

WAGO Power Supplies Pro

Applications with high output requirements call for professional power supplies capable of reliably handling power peaks. WAGO's Pro Power Supplies are ideally suited for such applications.

- TopBoost function: Multiplies the nominal current for up to 50 ms
- PowerBoost function: Provides 200% of output power for four seconds
- Single- and three-phase power supplies with output voltages of 12/24/48 VDC and nominal output currents from 5 to 40 A for nearly every application
- LineMonitor (option): Easy parameter setting and input/output monitoring
- Potential-free contact/stand-by input: Switch off output with no wear and minimize power consumption
- Serial RS-232 interface (option): Communicate with PC or PLC

WAGO Power Supplies Classic

Classic is the robust power supply with optional TopBoost integration. A wide input range and extensive list of international approvals open up WAGO's Classic Power Supplies to a wide variety of applications.

- TopBoost: cost-effective, secondary-side fusing via standard circuit breakers (≥ 120 W)
- Nominal output voltage: 12, 24, 30.5 and 48 VDC
- DC OK signal/contact for easy remote monitoring
- Wide input voltage range and UL/GL approvals for worldwide applications
- CAGE CLAMP® Connection Technology: maintenance-free and time-saving
- Slim, compact design saves valuable cabinet space

WAGO Power Supplies

WAGO Power Supplies Eco 2

The Eco line of power supplies now includes WAGO Eco 2 Power Supplies with push-in technology and integrated WAGO levers. The new devices' compelling features include fast, reliable and tool-free lever connections, as well as an excellent price/performance ratio. At 25 mm and 38 mm wide, the power supplies are slim and compact. The devices are also extremely durable and reliable with their high efficiency of ≥ 88% (2687-2142) and lower thermal generation.

- Power supplies with a wide input voltage range of 90 … 264 VAC (100 … 373 VDC)Output voltage: 24 VDC, adjustable; Output power: 30 W (2687-2142) and 120 W (2687-2144)
- Integrated, tool-free lever-actuated push-in connection technology
- Slim design, high efficiency, good price/performance ratio
- Reliability, long service life (high MTBF)
- Quick, easy, maintenance- and tool-free connection technology

WAGO Power Supplies Eco

Many applications only require 24 VDC. Here, WAGO's ECO Power Supplies are the economical solution.

- Output current: 1.25 … 40 A
- Wide input voltage range for use internationally: 90 … 264 VAC
- Economically supports basic applications
- CAGE CLAMP® Connection Technology: maintenance-free and time-saving
- LED status indication: output voltage availability (green), overcurrent/short circuit (red)
- Flexible mounting on DIN-rail and variable installation via screw-mount clips – perfect for every application
- Flat, rugged metal housing: compact and stable design

WAGO Power Supplies Compact

WAGO's compact, high-performance Compact Power Supplies in DIN-rail-mount housings are available with output voltages of 5, 12, 18 and 24 VDC, as well as nominal output currents up to 6.5 A.

- Wide input voltage range for use internationally: 85 … 264 VAC
- Flexible mounting on DIN-rail and variable installation via screw-mount clips
- Push-in CAGE CLAMP® Connection Technology (option): maintenance-free and time-saving
- Improved cooling due to a removable front plate: ideal for alternative mounting positions
- Dimensions per DIN 43880: suitable for installation in distribution and meter boards

WAGO Power Supplies

Uninterruptible Power Supply (UPS)

Consisting of a 24 V UPS charger and controller with one or more connected batteries, WAGO's Uninterruptible Power Supply reliably powers an application for several hours. Trouble-free machine or system operation is guaranteed – even in the event of brief power supply failures.

- Slim charging and control units save control cabinet space
- Integrated display and RS-232 interface (option) simplify visualization and configuration
- Pluggable CAGE CLAMP® Connection Technology: maintenance-free and time-saving
- Battery control technology for predictive maintenance that extends battery life

5

Capacitive Buffer Modules

In addition to reliably ensuring trouble-free machine and system operation – even through brief power failures – WAGO's Capacitive Buffer Modules offer power reserves that may be required when starting heavy motors or triggering a fuse.
Decoupled output: integrated diodes for decoupling buffered loads from unbuffered loads

- Maintenance-free and time-saving connections via pluggable connectors equipped with CAGE CLAMP® Connection Technology
- Unlimited parallel connections possible
- Adjustable switching threshold
- Maintenance-free, high-energy gold caps

Redundancy Modules

WAGO's redundancy modules are ideal for reliably increasing power supply availability. These modules decouple two parallel-connected power supplies and are ideal for applications where an electrical load must be reliably supplied – even in the event of a power supply failure.

- Integrated power diodes with overload capability: suitable for TopBoost or PowerBoost
- Potential-free contact (option) for input voltage monitoring
- Reliable connection via pluggable connectors equipped with CAGE CLAMP® or terminal strips with integrated operating levers: maintenance-free and time-saving
- Solutions for 12, 24 and 48 VDC supply, up to 76 A supply: suitable for nearly every application

WAGO Power Supplies

Electronic Circuit Breakers (ECBs)

WAGO's ECBs are the space-saving and precision solution for fusing DC voltage circuits.

- 1-, 2-, 4- and 8-channel ECBs with fixed or adjustable currents ranging from 0.5 to 12 A
- High switch-on capacity: >50,000 µF
- Communication capability: remote monitoring and reset
- Pluggable CAGE CLAMP® Connection Technology (option): maintenance-free and time-saving
- Comprehensive range of approvals: many applications

DC/DC Converters

Instead of using an additional power supply, WAGO's DC/DC Converters are ideal for specialty voltages, allowing sensors and actuators to be reliably supplied.
DC/DC converters can be used instead of an additional power supply for applications with specialty voltages.

- Slim design: "True" 6.0 mm (0.23 inch) width maximizes panel space
- Wide operating temperature range
- Ready for worldwide use in many industries, thanks to UL listing
- Common profile with 857 and 2857 Series Signal Conditioners and Relays: Enables full commoning of the supply voltage

WAGO Power Supplies
Selection Guide

Switched-Mode Power Supplies 1-Phase

Nominal voltage (output)	Nominal current (output) [ADC]	Input, 1-phase	Input, 2-phase	Approvals							DC OK signal/ contact	RS-232 interface	TopBoost [1]	PowerBoost	Efficiency typ. [%]	Surrounding air temperature [°C] [4]	Item Number
				EN 60335	cURus 60950	cULus 508	cULus 61010	DNVGL	ANSI/ISA 12.12.1	ATEX/IEC Ex							
5 VDC	5.5	■			■	■		□							75.0	−25 … +60	787-1020
12 VDC	2.0	■		■	■	■		■			■				82.0	−25 … +70	787-1601 [2]
	2.0	■		■											80.0	−25 … +60	787-1701
	2.0	■			■	■		■							80.0	−25 … +60	787-1001
	2.5	■		■		■					■				88.0	−25 … +70	787-1201
	4.0	■		■	■	■		■			■				86.0	−25 … +70	787-1611 [2]
	4.0	■		■											81.0	−25 … +60	787-1711
	4.0	■			■	■		■							85.0	−25 … +60	787-1011
	5.0	■		■	■	■									89.5	−25 … +70	787-1211
	6.0	■			■	■		■							87.0	−25 … +60	787-1021
	7.0	■		■	■	■		■			■				86.0	−25 … +70	787-1621
	8.0	■		■											84.0	−25 … +60	787-1721
	8.0	■		■		■					■				88.0	−25 … +70	787-1201
	8.0	■		■		■					■				91.5	−25 … +70	787-1221
	10.0						■				■		■	■	93.8	−25 … +70	2787-2134
	15.0						■				■		■	■	95.3	−25 … +70	2787-2135
	15.0	■			■	■		■			■		■		90.0	−25 … +70	787-1631
18 VDC	2.4	■			■	■		□							83.0	−25 … +60	787-1017
22 VDC	1,0	■			■										84,0	−25 … +60	787-914
24 VDC	0.5	■		■		■									83.0	−25 … +70	787-1200
	1.0	■		■	■	■		■			■				86.0	−25 … +70	787-1602 [2]
	1.25	■		■	■	■									80.0	−20 … +60	787-1702
	1.25	■					■								88.0	−25 … +70	2687-2142
	1.25	■				■		■							88.0	−20 … +70	787-2850
	1.3	■			■	■		■							82.0	−25 … +60	787-1002
	1.3	■			■	■		■							82.0	−25 … +60	787-1102
	1.3	■		■	■	■									87.0	−25 … +70	787-1202
	2.0	■		■	■	■		■			■				89.0	−25 … +70	787-1606 [2]
	2.5	■			■	■			■	■					86.0	−10 … +70	787-712
	2.5	■		■	■	■									81.0	−20 … +60	787-1712
	2.5	■			■	■		■							88.0	−25 … +60	787-1012
	2.5	■			■	■		■							88.0	−25 … +60	787-1112
	2.5	■		■	■	■									89.0	−25 … +70	787-1212
	3.0	■			■	■					■		■	■	87.8	−25 … +70	787-818
	3.8	■		■	■	■		■			■				87.0	−25 … +70	787-1616/000-1000 [2]
	4.0	■		■	■	■		■			■				89.0	−25 … +70	787-1616
	4.0	■			■	■		■							88.0	−25 … +60	787-1022
	4.0	■			■	■		■							88.0	−25 … +60	787-1122
	4.0	■				■									92.3	−40 … +85	787-6716
	4.2	■		■	■	■									90.0	−25 … +70	787-1216
	5.0	■					■				■		■	■	91.5	−25 … +70	2787-2144
	5.0	■			■	■					■		■	■	87.8	−25 … +70	787-822
	5.0	■		■	■	■		■			■		■		89.0	−25 … +70	787-1622
	5.0	■	■		■	■		■			■		■		89.0	−25 … +70	787-1628
	5.0	■			■	■			■	■					86.0	−10 … +60	787-722
	5.0	■		■	■	■									84.0	−20 … +60	787-1722
	5.0	■					■								90.0	−25 … +70	2687-2144
	6.0	■		■	■	■									90.0	−25 … +70	787-1226
	10.0	■					■				■		■	■	92.8	−25 … +70	2787-2146
	10.0	■			■	■					■		■	■	90.0	−25 … +70	787-832
	10.0	■			■	■		■			■		■		91.0	−25 … +70	787-1632 [5]
	10.0	■	■		■	■		■			■		■		90.0	−25 … +70	787-1638
	10.0	■			■	■			■	■					86.0	−10 … +70	787-732
	10.0	■		■	■	■									84.0	−20 … +60	787-1732
	20.0	■					■				■		■	■	94.0	−25 … +70	2787-2147
	20.0	■			■	■					■		■	■	91.0	−25 … +70	787-834
	20.0	■			■	■		■			■		■		92.0	−25 … +70	787-1634
	20.0	■			■	■					■				90.0	−25 … +70	787-734
	40.0	■					■				■		■	■	95.0	−25 … +70	2787-2448
	40.0	■			■	■					■				90.0	−25 … +70	787-736

5

Switched-Mode Power Supplies 1-Phase

Nominal voltage (output)	Nominal current (output) [ADC]	Input, 1-phase	Input, 2-phase	Approvals							DC OK signal/ contact	RS-232 interface	TopBoost [1]	PowerBoost	Efficiency typ. [%]	Surrounding air temperature [°C] [4]	Item Number
				EN 60335	cURus 60950	cULus 508	cULus 61010	DNVGL	ANSI/ISA 12.12.1	ATEX/IEC Ex							
48 VDC	2.0	■		■	■	■		■			■				86.0	−25 … +70	787-1623
	5.0	■					■				■		■	■		−25 … +70	2787-2154
	5.0	■			■	■					■		■	■	91.0	−25 … +70	787-833
	5.0	■			■	■		■			■		■		92.0	−25 … +70	787-1633
	10.0	■					■				■		■	■	95.3	−25 … +70	2787-2157
	10.0	■			■	■					■		■	■	91.0	−25 … +70	787-835
	10.0	■			■	■		■			■		■		93.0	−25 … +70	787-1635 [5]

Switched-Mode Power Supplies 3-Phase

Nominal voltage (output)	Nominal current (output) [ADC]	Approvals							DC OK signal/ contact	RS-232 interface	TopBoost [1]	PowerBoost	Efficiency typ. [%]	Surrounding air temperature [°C] [4]	Item Number
		EN 60335	cURus 60950	cULus 508	cULus 61010	DNVGL	ANSI/ISA 12.12.1	ATEX/IEC Ex							
24 VDC	6.25		■	■					■				87.0	−25 … +70	787-738
	10.0				■						■	■	93.0	−25 … +70	2787-2346
	10.0				■						■	■	95.0	−25 … +70	2787-2357
	10.0		■	■					■		■	■	91.7	−25 … +70	787-840
	10.0		■	■					■	■	■	■	91.7	−25 … +70	787-850
	10.0		■	■		■			■		■		90.0	−25 … +70	787-1640
	10.0		■	■					■				89.0	−25 … +70	787-740
	20.0				■				■		■	■	94.8	−25 … +70	2787-2347
	20.0				■						■	■	96.0	−25 … +70	2787-2358
	20.0		■	■					■		■	■	92.9	−25 … +70	787-842
	20.0		■	■					■	■	■	■	92.9	−25 … +70	787-852
	20.0		■	■		■			■		■		92.0	−25 … +70	787-1642
	20.0		■	■					■				90.0	−25 … +70	787-742
	20.0		■	■					■				90.5	−20 … +70	787-2742
	40.0				■				■		■	■	95.0	−25 … +70	2787-2348
	40.0		■	■					■		■	■	93.6	−25 … +55	787-844
	40.0		■	■					■	■	■	■	93.6	−25 … +55	787-854
	40.0		■	■		■			■		■		92.0	−25 … +70	787-1644
	40.0		■	■									91.5	−20 … +70	787-2744
48 VDC	10.0		■	■					■		■	■	93.0	−25 … +70	787-845
	20.0		■	■					■		■	■	94.4	−25 … +70	787-847

Other

Description	Approvals					Surrounding air temperature [°C]	Item Number
	EN 60950	UL 60950	EN 61204-3	EN 61000-6-3	DIN EN 60939-2		
Power supply for fan control	■	■	■	■			787-914
Radio interference suppression filter; 1-phase					■		787-980

■ Yes ☐ Pending

[1] TopBoost enables magnetic tripping of circuit breakers in the output circuit.
[2] NEC Class 2 Power Unit per cURus 1310 or cURus 60950
[3] With uninterruptible power supply (UPS)
[4] Device starts at −40°C, type-tested for 787-8xx, -10xx, -16xx, 2787-2xxx
[5] .../000-070 is optionally available with protective coating

WAGO System Devices
Selection Guide

Uninterruptible Power Supplies (UPS)

Input		Output		Approvals						Dimensions and Environmental Conditions				Item Number
Nominal voltage [VAC]	Nominal voltage [VDC]	Nominal voltage [VDC]	Nominal current [ADC]	EN 60335	UL 60950	UL 508	DNV GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Surrounding air temperature [°C]	
–	24	24	10.0		■	■				40.0	163.0	163.0	–10 … +60	787-870
–	24	24	20.0		■	■				57.0	163.0	171.0	–10 … +60	787-875
	24	24	40.0							68.0	181.0	162.0	0 … +55	787-915
100 … 240	110 … 370	24	5.0		■	■	■			60.0	135.5	127.0	–25 … +70	787-1675

Battery Modules

Input	Output		Approvals							Dimensions and Environmental Conditions				Item Number
Nominal voltage [VDC]	Nominal voltage [VDC]	Nominal capacity [Ah]	EN 60335	UL 60950	UL 508	DNV GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	VdS-tested battery	Width [mm]	Height [mm]	Length [mm]	Surrounding air temperature [°C]	
24	24	0.8			□				■	72.0	124.5	97.0	–15 … +40	787-1671
24	24	1.2			■				■	55.0	136.5	153.0	–15 … +40	787-876
24	24	3.2			■				■	76.2	175.5	168.0	–15 … +40	787-871
24	24	7.0			■				■	86.0	217.5	236.0	–15 … +40	787-872
24	24	12.0			■				■	120.5	217.5	236.0	–15 … +40	787-873

Capacitive Buffer Modules

Input/Output, Buffer			Approvals						Dimensions and Environmental Conditions				Item Number
Nominal input/ output voltage [VDC]	Nominal current (output) [ADC]	Buffer time [s]	EN 60335	UL 60950	UL 508	DNV GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Surrounding air temperature [°C]	
24	10.0	0.06 … 7.2		■	■				57.0	179.0	163.0	–10 … +50	787-880
24	20.0	0.17 … 16.5		■	■				57.0	179.0	181.0	–10 … +50	787-881
24	40.0	0.35 … 6.6							68.0	181.0	162.0	–10 … +50	787-916

Redundancy Modules

Input	Output		Approvals						Dimensions and Environmental Conditions				Item Number
Nominal voltage [VDC]	Nominal voltage [VDC]	Nominal current [ADC]	EN 60335	UL 60950	UL 508	DNV GL	ANSI/ISA 12.12.1	ATEX/IEC Ex	Width [mm]	Height [mm]	Length [mm]	Surrounding air temperature [°C]	
12 … 48	12 … 48	12.5			■				50.0	92.0	130.0	–25 … +70	787-783
24	24	20.0		■	■				40.0	163.0	181.0	–10 … +60	787-885
24	24	40.0		■	■	■			42.0	139.5	127.0	–40 … +70	787-1685[2]
12 … 48	12 … 48	40.0			■				83.0	153.0	130.0	–25 … +70	787-785
48	48	20.0							40.0	163.0	181.0	–10 … +60	787-886

■ Yes □ Pending
[1] NEC Class 2
[2] .../000-070 is optionally available with protective coating
[3] Available upon request

DC/DC Converters

Nominal voltage (input) [VDC]	Nominal voltage (output) [VDC]	Nominal current (output) [A]	Approvals						DC OK signal/ contact	Efficiency typ. [%]	Surrounding air temperature [°C]	Item Number
			EN 50155	EN 60335	UL 61010-2-201	DNVGL	ANSI/ISA 12.12.1	ATEX/IEC Ex				
24.0	5.0	0.5			■				■	82.5	–25 … +70	787-2801
24.0	10.0	0.5			■				■	89.0	–25 … +70	787-2802
48.0	24.0	0.5			■				■	91.0	–25 … +70	787-2803
24.0	12.0	0.5			■				■	90.0	–25 … +70	787-2805
24.0	5/10/12	0.5			■				■	82.5	–25 … +70	787-2810
24.0	12.0	0.4			■					84.0	–25 … +70	787-1650
110.0	24.0	2.0	■		■					85.0	–40 … +70	787-1014
72.0	24.0	2.0	■		■					86.0	–40 … +70	787-1014/072-000
72.0	12.0	4.0	■		■	■				86.0	–40 … +70	787-1015/072-000

Electronic Circuit Breakers

Nominal input/ output voltage	Input/Output				Approvals				Dimensions and Environmental Conditions				Item Number
	Channels (output)	Nominal current (output) [ADC]	Communication	Active current limitation	UL 61010-2-201	UR 2367	cULus 508	GL	Width [mm]	Height [mm]	Length [mm]	Surrounding air temperature [°C]	
12 VDC	4	2 … 10	M			■	■	■	45	115,5	90	–25 … +70	787-1664/000-100
24 VDC	1	0,5	S		■			■	6	97,8	94	–25 … +70	787-2861/050-000
	1	1	S		■			■	6	97,8	94	–25 … +70	787-2861/100-000
	1	2	S		■			■	6	97,8	94	–25 … +70	787-2861/200-000
	1	4	S		■			■	6	97,8	94	–25 … +70	787-2861/400-000
	1	6	S		■			■	6	97,8	94	–25 … +70	787-2861/600-000
	1	8	S		■			■	6	97,8	94	–25 … +70	787-2861/800-000
	1	1 … 8	S		■			■	6	97,8	94	–25 … +70	787-2861/108-020
24 VDC	2	2 … 10	M			■	■	■	45	115,5	90	–25 … +70	787-1662
	2	2 … 10	P			■	■	■	45	115,5	90	–25 … +70	787-1662/000-054
	2	3,8 LPS	M	■		■	■		45	115,5	90	–25 … +70	787-1662/004-1000 [1]
	2	0,5 … 6	M	■		■	■	■	45	115,5	90	–25 … +70	787-1662/006-1000
	2	1 … 6	M			■	■	■	45	115,5	90	–25 … +70	787-1662/106-000
24 VDC	4	2 … 10	M			■	■	■	45	115,5	90	–25 … +70	787-1664
	4	2 … 10	M			■	■	■	45	115,5	90	–25 … +70	787-1664/000-004
	4	2 … 10	P			■	■	■	45	115,5	90	–25 … +70	787-1664/000-054
	4	2 … 10	N			■	■	■	45	115,5	90	–25 … +70	787-1664/000-011
	4	1 … 10	I			■	■	■	45	115,5	90	–25 … +70	787-1664/000-080
	4	3,8 LPS	M	■		■	■		45	115,5	90	–25 … +70	787-1664/004-1000 [1]
	4	0,5 … 6	M	■		■	■	■	45	115,5	90	–25 … +70	787-1664/006-1000
	4	1 … 6	M			■	■	■	45	115,5	90	–25 … +70	787-1664/106-000
	4	1 … 6	N			■	■	■	45	115,5	90	–25 … +70	787-1664/106-011
	4	2 … 12	M	■		■	■	■	45	115,5	90	–25 … +70	787-1664/212-1000
	4	0,5 … 6	P	■	□	■	■	■	45	115,5	90	–25 … +70	787-1664/006-1054
48 VDC	8	2 … 10	M			■	■	■	42	142,5	127	–25 … +70	787-1668
	8	2 … 10	M			■	■	■	42	142,5	127	–25 … +70	787-1668/000-004
	8	2 … 10	P			■	■	■	42	142,5	127	–25 … +70	787-1668/000-054
	8	1 … 10	I			■	■	■	42	142,5	127	–25 … +70	787-1668/000-080
	8	0,5 … 6	M	■		■	■	■	42	142,5	127	–25 … +70	787-1668/006-1000
	8	1 … 6	M			■	■	■	42	142,5	127	–25 … +70	787-1668/106-000
	8	1 … 6	M		□	■	■	■	42	142,5	127	–25 … +70	787-1668/106-054
	8	1 … 6	P	■		■	■	■	42	142,5	127	–25 … +70	787-1668/006-1054
48 VDC	2	2 … 10	P			■	■	■	45	115,5	90	–25 … +70	787-1662/000-250
48 VDC	4	2 … 10	M			■	■	■	45	115,5	90	–25 … +70	787-1664/000-200
	4	2 … 10	P			■	■	■	45	115,5	90	–25 … +70	787-1664/000-250
48 VDC	8	2 … 10	M			■	■	■	42	142,5	127	–25 … +70	787-1668/000-200
	8	2 … 10	P			■	■	■	42	142,5	127	–25 … +70	787-1668/000-250

■ Yes □ Pending
[1] NEC Class 2
S = Signal
N = Signal, low-side switching
P = Potential-free signal
I = IO-Link protocol
M = Manchester protocol

Safety Transformers

Nominal voltage (output) [VAC]	Nominal power (output) [VA]	Nominal voltage (input) [VAC]	Approvals							Surrounding air temperature [°C]	Item Number
			EN 5085	EN 61558-2-6	UL 60601	UL 508	DNV GL	ANSI/ISA 12.12.1	ATEX/IEC Ex		
12/24	40	110/230	□	□	□					–25 … +55	787-974
12/24	63	110/230	□	□	□					–25 … +55	787-976