Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current;

TopBoost + PowerBoost; communication capability

www.wago.com/2787-2146



-	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	
1	

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/2787-2146



Item description

Features:

- Power supply with TopBoost, PowerBoost and configurable overload behavior
- Configurable digital signal input and output, optical status indication, function keys
- Communication interface for configuration and monitoring
- Optional connection to IO-Link, EtherNet/IPTM, Modbus TCP or Modbus RTU
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Pluggable connection technology
- Electrically isolated output voltage (SELV/PELV) per EN 61010-2-201/UL 61010-2-201

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/2787-2146



Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Data Technical data

Input

Phases	1
Nominal input voltage U _{i nom}	1 x AC 100 240 V
Input voltage range	1 x AC 90 264 V; DC 130 240 V
Nominal mains frequency range	50 60 Hz
Input current I _i	≤ 1.2 A (240 VAC; Nominal load); ≤ 2.7 A (100 VAC; Nominal load)
Inrush current	≤ 11 A (after 1 ms)
Power factor correction (PFC)	Active
Mains failure hold-up time	≥ 25 ms (230 VAC)

Output

Nominal output voltage U _{o nom}	DC 24 V (SELV)
Output voltage range	DC 24 28 V (adjustable)
Default setting	DC 24 V
Nominal output current I o nom	10 A (24 VDC)
Nominal output power	240 W
Deviation	≤ 1 %
Residual ripple	≤ 70 mV (peak-to-peak)
Current limitation	1.1 x I _{o nom} (typ.)
Overload behavior	TopBoost/PowerBoost/Time-limited constant current mode (other overload behaviors can be set)
PowerBoost	DC 15 A (5 s)
TopBoost	Up to 600 %

Signaling and Communication

Signaling	Digital signal input and output (DI/DO)
Communication	USB (750-923 Communication Cable)
	Ethernet/IP (2789-9023 Communication Module)
	IO-Link (2789-9080 Communication Module)
	Modbus RTU (Communication Module 2789-9015)
	Modbus TCP (2789-9052 Communication Module)

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

www.wago.com/2787-2146



Efficiency/power losses

Power loss P _I	≤ 1 W (standby); ≤ 2.2 W (No load); ≤ 12 W (230 VAC; nominal load)
Efficiency (typ.)	95.2 % (230 VAC; 10 A; 25 °C)

Circuit protection

Internal fuse	T 6.3 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	16 A (for USA/Canada: 15 A)

Safety and protection

Isolation voltage (prisec., AC)	3,510 V
Isolation voltage (priPE, AC)	2,200 V
Isolation voltage (secPE)	DC 0.5 kV
Protection class	1
Protection type	IP20; per EN 60529
Overvoltage category	III (≤ 2000 m a.s.l.); II (> 2000 m a.s.l.)
Pollution degree	2
Transient suppression (primary)	Yes
Overvoltage protection; secondary	Internal protective circuit
	≤ 35 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 1,200,000 h (per IEC 61709)

Connection data

Input/Output/Signaling
CAGE CLAMP®
WAGO 721 Series
0.08 2.5 mm² / 28 12 AWG
0.08 2.5 mm² / 28 12 AWG
0.25 1.5 mm² / 20 16 AWG
0.25 2.5 mm² / 20 14 AWG
8 9 mm / 0.31 0.35 inches

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/2787-2146



Physical data

Width	50 mm / 1.969 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	130 mm / 5.118 inches
Note (dimensions)	Height without connector
	Height with connector: 166 mm

Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

Material Data

Weight	1000 g
Weight	1000 g

Environmental requirements

Ambient temperature (operation)	-25 +70 °C (Device starts at −40 °C (type-tested))	
Ambient temperature (storage) -40 +85 °C		
Relative humidity 5 96 % (no condensation permissible)		
Derating	-3 %/K (> +55 °C and U_i < 230 VAC); -3 %/K (> +60 °C and U_i ≥ 2	
	VAC)	
Climatic category	3K3 (per EN 60721)	
Operating altitude (max.)	5000 m	

Standards and specifications

Conformity marking	CE	
Standards/specifications	SEMI F47	
	EN 61010-1	
	EN 61010-2-201	
	EN 61204-3	
	UL 61010-1	
	UL 61010-2-201	

Commercial data

ETIM 8.0	EC002540
ETIM 7.0	EC002540
Recupel Type	
PU (SPU)	1 pcs

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG

Do you have any questions about our products?

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com

www.wago.com/2787-2146



Packaging type	box
Country of origin	CN
GTIN	4055143907330
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 61010-2-201	E255817
	Underwriters Laboratories Inc.		

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	MFD with product reference WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	UL	UL 121201	A-
	Underwriters Laboratories Inc. (HAZARDOUS		E198726
	LOCATIONS)		

Optional accessories

Communication

Communication	Communication module		
	em no.: 2789-9080 communication module; IO-Link; communication capability	www.wago.com/2789-9080	
	em no.: 2789-9015 Communication module; Modbus RTU; RJ45; communication capability	www.wago.com/2789-9015	

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

www.wago.com/2787-2146



	Item no.: 2789-9052 Communication module; Modbus TCP; communication capability	www.wago.com/2789-9052
	Item no.: 2789-9023	
	Communication module; EtherNet/IP; communication capability	www.wago.com/2789-9023
Commun	ication cable	
	Item no.: 750-923	/750,000
	Configuration cable; USB connector; Length: 2.5 m	www.wago.com/750-923
Cables and	pluggable connectors	
Commun	ication cable	
	Item no.: 750-923/000-001	www.wago.com/750-923
	Configuration cable; USB connector; Length: 5 m	/000-001
Marking ac	cessories	
Marking	strip	
	Item no.: 2009-110	
	Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Marker ca	arrier	
	Item no.: 2789-1233	
	Marker carrier; for WMB or marking strips; Length: 33 mm	www.wago.com/2789-1233
Marker		
	Item no.: 2009-115	
	WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
Tool		
Operating	g tool	
	Item no.: 210-721	www.wago.com/210-721
	Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-721
	Item no.: 210-720	www.waga.com/210.720
	Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Downloads

Documentation

Manual

Product Manual Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output	V 1.0.0	pdf	Download
current TopBoost + PowerBoost; communication capability	2022 年7月20日	8.4 MB	
Topboost 11 owerboost, communication capability			

Bid Text

2787-2146_EUSA 2019 年7月4日 xml Download 8.1 kB

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

WAGO GmbH & Co. KG Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products?

www.wago.com/2787-2146



X81	Da	

2787-2146_EUSA docx - Datei	2019 年7月4日	docx 23.9 kB	Download
ausschreiben.de 2787-2146		URL	Download
Instruction Leaflet			
WAGO Pro 2 Power Supplies	V 1.1.0	pdf	Download
1-phasig; 24 VDC / 10 A	2021 年4月26 日	4.6 MB	
Additional Information			
Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 年8月18日	2.2 MB	

Engineering-Software

Configuration and Commissioning Software

WAGO Interface Configuration Software G2 SMALL	1.00.10.01	exe	Download
The full setup only includes the WAGO Interface Configuration Software G2.	2022 年1月20日	31.0 MB	
WAGO Interface Configuration Software G2 FULL	1.00.10.01	exe	Download
The full setup, in addition to the WAGO Interface Configuration Software G2, includes the installation for the Microsoft .NET Framework.	2022 年1月20日	114.9 MB	

WAGO IO-Link Configurator

WAGO IO-Link Configurator	V5.1.1-6618	ZIP	Download
WAGO IO-Link Configurator allows configuration, parameterization, operation and monitoring of WAGO IO-Link Masters in the WAGO I/O System 750 and WAGO I/O System Field, and especially of the WAGO IO-Link devices connected to them.	2022 年2月16日	91.8 MB	

Additionally, WAGO IO-Link Configurator can be used for complete configuration and operation of all IO-Link devices of third-party manufacturers, as long as they comply with the IO-Link specification. A product's process data can be visualized graphically and stored in trend curves. Up to eight elements can be selected for visualization, and the data can be recorded for up to 24 hours.

Device description files for the IO-Link Masters (IOLM) or IO-Link Devices (IODD) can be used to integrate new devices into the tool at any time. Convenient access to the IO-Link user organization's IODDfinder is available for the IODDs. This allows automated, selective download of IODDs when integrating new IO-Link devices. An integrated IODD viewer allows detailed insight into the IODD device description.

WAGO IO-Link Configurator can be used either as a standalone program or integrated into engineering systems with a TCI interface and WAGO-I/O-CHECK.

IO-Link Configurator can also be used to integrate the IO-Link Master (750-657) of the WAGO I/O System 750 Series and to access all the configurator's functions. This is made possible by the WAGO I/O System 750 IO-Link Adapter, which can be retrofitted. The WAGO I/O System 750 IO-Link Adapter requires the current version of WAGO IO-Link Configurator and a current version of WAGO-I/O-CHECK.

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

www.wago.com/2787-2146



In addition, the download file contains the device descriptions for the respective fieldbus systems of the WAGO I/O System Field modules. These are pre-installed in the Configurator setup.

The WAGO IO-Link Configurator license is assigned to the specific PC on which it is installed (a workstation license).

Register now and test our engineering software for 30 days at no cost.

Runtime Software

Firmware

2787-2146, Stromversorgung; Pro 2V 010513zipDownloadWAGO_FW2787-2146_V010513_W2021 年10 月13 日1.2 MB

CAD/CAE-Data

CAE data

ZUKEN Portal 2787-2146	URL	Download
EPLAN Data Portal 2787-2146	URL	Download
CAD data		
2D/3D Models 2787-2146	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2787-2146

Power supply; Pro 2; 1-phase; 24 VDC output voltage; 10 A output current; TopBoost

+ PowerBoost; communication capability

Installation Notes

Product family

Pro 2

Show all products from the family

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG Hansastr. 27 32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169 Email: info.de@wago.com | Web: www.wago.com Do you have any questions about our products? We are always happy to take your call at +49 (571) 887-44222.

Download