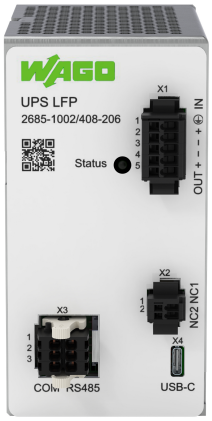
Data Sheet | Item Number: 2685-1002/408-206

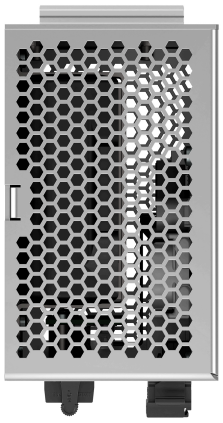
UPS Integrated; LFP; 24 VDC output voltage; 6 A output current; 33 Wh capacity; communication capability

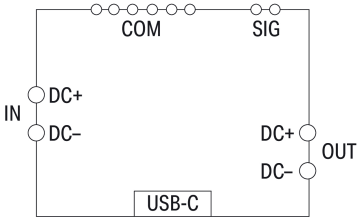
https://www.wago.com/2685-1002/408-206











Features:

- DC UPS module for building an uninterruptible power supply (UPS)
- Potential-free contacts for functional monitoring
- Modbus RS-485 communication interface
- Configuration via USB-C

Technical data

Input

Nominal input voltage $U_{i\,nom}$	24 VDC
Input voltage range	22.5 … 30 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 6.2 A

Output

Nominal output voltage $U_{o\,nom}$	24 VDC
Output voltage range	U_e(rated operation); 23.5 VDC (V_{in} - 0.5 V) (battery voltage in buffer mode)
Nominal output current $I_{o\,nom}$	6 A

Energy storage systems

Buffer time	1 s … 11 min at I_{out} = 4 A
Memory type	LiFePO4
Battery capacity	2.5 Ah; 60 Wh; 216 kJ
Charging time (typ.)	60 min

Signaling and Communication

Signaling	1 x Isolated relay contact (max. 30 VDC; 1 A) 1 x LED status (green)
Operation status indicator	Static LED (green, mains operation) Flashing LED (green, 1 Hz, buffer mode)
Configuration options	USB-C (socket); USB 2.0
Communication/interfaces	MODBUS RTU; RS-485

Circuit Protection

Internal fuse	T 15 A (input)

Safety and protection

Isolation voltage (connectors – housing)	0.5 kVDC
Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	Yes
Pollution degree	2
Parallel operation	No
Series operation	No

Connection Data

Connection 1

Connection type	Input/output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 734 Series
Solid conductor	0.08 … 1.5 mm² / 28 … 14 AWG
Fine-stranded conductor	0.08 … 1.5 mm² / 28 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²
Strip length	6 … 7 mm / 0.24 … 0.28 inches

Connection 2

Connection type	Relay
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 733 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 20 AWG
Fine-stranded conductor	0.08 … 0.5 mm² / 28 … 20 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.34 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.34 mm²
Strip length	5 … 6 mm / 0.2 … 0.24 inches

Connection 3

Connection type	Communication
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 713 Series
Solid conductor	0.08 … 1.5 mm² / 28 … 16 AWG
Fine-stranded conductor	0.08 … 1.5 mm² / 28 … 16 AWG
Strip length	6 … 0.24 mm / 0.24 … 0.01 inches

Continued on next page

Physical data

Width	63 mm / 2.48 inches
Height	120 mm / 4.72 inches
Depth from upper-edge of DIN-rail	108 mm / 4.25 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	600 g

Environmental requirements

Ambient temperature (operation)	-20 … +50 °C
Ambient temperature (storage)	-30 … +55 °C
Relative humidity	5 … 95 % (no condensation permissible)

Standards and Specifications

Conformity marking	CE
Standards/specifications	IEC 61010-1 (SELV) IEC 61010-2-201
Standards/specifications (pending)	CSA

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966639490
Customs tariff number	85044095900

Product Classification

UNSPSC	39121006
ETIM 9.0	EC000382
ETIM 10.0	EC000382
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Continued on next page

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Intertek	UL 61010-2-201	100012984AHM-001

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2685-1002/408-206

Documentation

Instruction Leaflet

USV-Lade- und -Kontrolleinheit;	V 1.0.0 12.11.2024	pdf 969.37 KB

CAD/CAE-Data

CAD data

2D/3D Models
2685-1002/408-206

Libraries

Library

WAGO-CoDeSys-V3.5 - V1.0.1.0	V3.5 - V1.0.1.0 11.05.2026	zip 7280.94 KB

Continued on next page

1 Compatible Products

1.1 Optional Accessories

1.1.1 General accessories

1.1.1.1 Electronic circuit breaker



Item No.: 787-3664
Electronic circuit breaker; 4-channel; 24 VDC input voltage; adjustable 1 … 10 A; Signal contact



Item No.: 787-3668
Electronic circuit breaker; 8-channel; 24 VDC input voltage; adjustable 1 … 10 A; Signal contact

1.1.2 Power supply

1.1.2.1 Power Supply



Item No.: 2587-2146
Switched-mode power supply; Base; 1-phase; 24 VDC output voltage; 10 A output current; DC-OK LED



Item No.: 2587-2147
Switched-mode power supply; Base; 1-phase; 24 VDC output voltage; 20 A output current; DC-OK LED



Item No.: 2587-2144
Switched-mode power supply; Base; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured