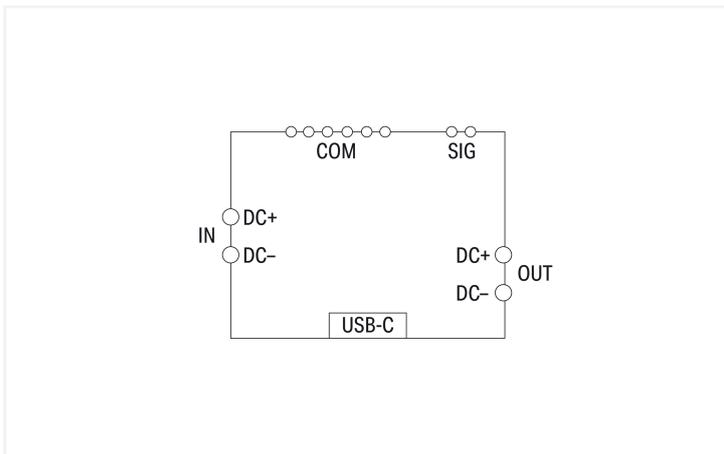


# Data Sheet | Item Number: 2685-1002/408-206

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 $I_i$	$\leq 6.2$ 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)
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## 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 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
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 mm <sup>2</sup> / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.34 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm <sup>2</sup>
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 mm <sup>2</sup> / 28 ... 16 AWG
Fine-stranded conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG
Strip length	6 ... 0.24 mm / 0.24 ... 0.01 inches

### 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
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### Material data

Fire load	0 MJ
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	85044060900

### 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
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## 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	<a href="#">↓</a>
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## Documentation

### Instruction Leaflet

USV-Lade- und -Kontrolleinheit;	V 1.0.0 12.11.2024	pdf 969.37 KB	<a href="#">↓</a>
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## CAD/CAE-Data

### CAD data

2D/3D Models 2685-1002/408-206	<a href="#">↓</a>
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## Libraries

### Library

WAGO-CoDeSys-V3.5 - V1.0.0.3	V3.5 - V1.0.0.3 25.11.2025	zip 4735.96 KB	<a href="#">↓</a>
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## 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