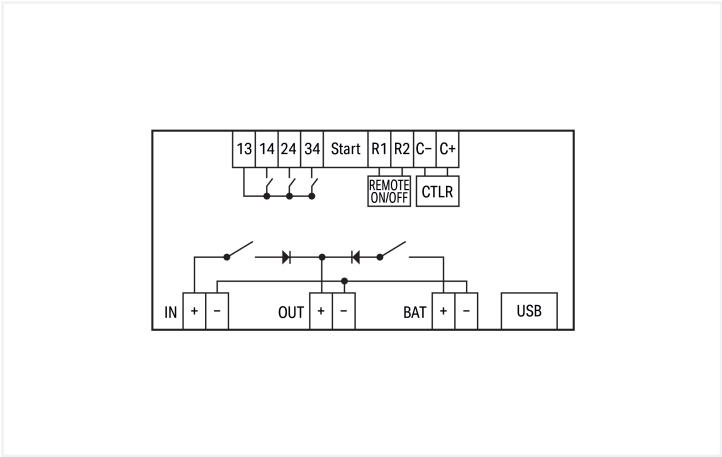
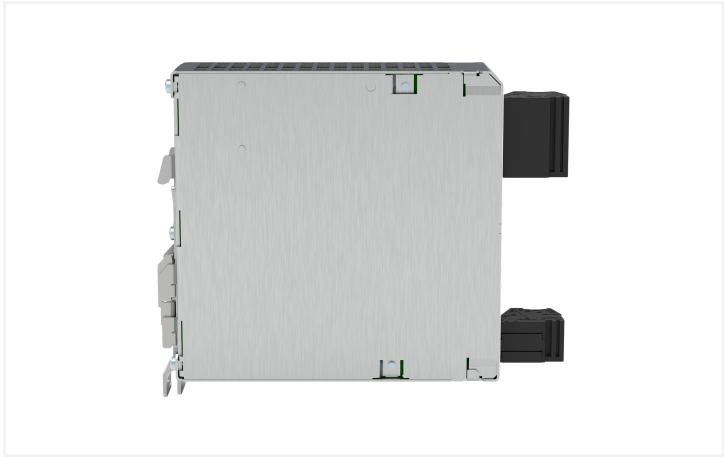




- Features:**
- DC UPS module for building an uninterruptible power supply (UPS)
  - Potential-free contacts for functional monitoring
  - Remote function via digital signals
  - Active signal outputs for functional monitoring
  - Parallel operation of multiple connected storage modules possible
  - Battery control for detecting battery type and status
  - Configuration via USB-C

| Technical data                     |                                                                                        |                                     |               |
|------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------|---------------|
| Input                              |                                                                                        | Output                              |               |
| Nominal input voltage $U_{i\,nom}$ | 24 VDC                                                                                 | Nominal output voltage $U_{o\,nom}$ | 24 VDC        |
| Input voltage range                | 18 ... 30 VDC                                                                          | Output voltage range                | 18 ... 30 VDC |
| Nominal mains frequency range      | 0 Hz                                                                                   | Nominal output current $I_{o\,nom}$ | 40 A          |
| Input current $I_i$                | $\leq 0.1\text{ A}$ (no load); $\leq 7\text{ A}$ (charging); $\leq 40\text{ A}$ (max.) |                                     |               |



| Energy storage systems |                  |
|------------------------|------------------|
| Memory type            | Lead-acid fleece |

| Signaling and Communication |                                                                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signaling                   | 3 x Isolated relay contact, configurable for alarm/battery mode/charging mode<br>1 x Digital input for start in battery mode<br>1 x Break contact for remote shutdown in buffer operation<br>3 x Status LED (red/yellow/green) |
| Operation status indicator  | Green LED (DC OK)<br>Yellow LED (charge/buffer mode)<br>Red LED (error)                                                                                                                                                        |
| Configuration options       | USB-C (socket); USB 2.0                                                                                                                                                                                                        |
| Communication/interfaces    | Integrated communication bus                                                                                                                                                                                                   |

| Circuit Protection |    |
|--------------------|----|
| Internal fuse      | No |

| Safety and protection      |                    |
|----------------------------|--------------------|
| Protection class           | I                  |
| Protection type            | IP20; per EN 60529 |
| Reverse voltage protection | Yes                |
| Pollution degree           | 2                  |
| Parallel operation         | No                 |
| Series operation           | No                 |

| Connection Data                                   |                                      |                                                   |                                    |
|---------------------------------------------------|--------------------------------------|---------------------------------------------------|------------------------------------|
| Connection 1                                      |                                      | Connection 2                                      |                                    |
| Connection type                                   | Input/output/external energy storage | Connection type                                   | Signaling                          |
| Connection technology                             | CAGE CLAMP®                          | Connection technology                             | CAGE CLAMP®                        |
| WAGO connector                                    | WAGO 831 Series                      | WAGO connector                                    | WAGO 2092 Series                   |
| Solid conductor                                   | 0.5 ... 10 mm² / 20 ... 8 AWG        | Solid conductor                                   | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor                           | 0.5 ... 10 mm² / 20 ... 8 AWG        | Fine-stranded conductor                           | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 6 mm²                        | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                   |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 6 mm²                        | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm²                   |
| Strip length                                      | 13 ... 11 mm / 0.51 ... 0.43 inches  | Strip length                                      | 9 ... 10 mm / 0.35 ... 0.39 inches |

| Physical data                     |                        |
|-----------------------------------|------------------------|
| Width                             | 45 mm / 1.77 inches    |
| Height                            | 127 mm / 5 inches      |
| Depth from upper-edge of DIN-rail | 128.5 mm / 5.06 inches |

| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | DIN-35 rail |



| Material data |       |
|---------------|-------|
| Weight        | 600 g |

| Environmental requirements      |                                          |
|---------------------------------|------------------------------------------|
| Ambient temperature (operation) | -40 ... +70 °C                           |
| Ambient temperature (storage)   | -40 ... +85 °C                           |
| Relative humidity               | 5 ... 96 % (no condensation permissible) |

| Standards and Specifications       |                                                        |
|------------------------------------|--------------------------------------------------------|
| Conformity marking                 | CE                                                     |
| Standards/specifications           | EN 61010-1 (SELV)<br>EN 61010-2-201 (PELV)<br>UL 61010 |
| Standards/specifications (pending) | DNV                                                    |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4066966639353 |
| 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 |

Approvals / Certificates

| General approvals                                                                  |                |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|------------------------------------------------------------------------------------|----------------|------------------|------------------------------------------------------------|----------|------------------|
|  |                |                  |                                                            |          |                  |
| Approval                                                                           | Standard       | Certificate Name | Approval                                                   | Standard | Certificate Name |
| UL                                                                                 | UL 61010-2-201 | E255817          | EU-Declaration of Conformity                               | -        | -                |
| Underwriters Laboratories Inc.                                                     |                |                  | WAGO GmbH & Co. KG                                         |          |                  |
|                                                                                    |                |                  | UK-Declaration of Conformity                               | -        | -                |
|                                                                                    |                |                  | WAGO GmbH & Co. KG                                         |          |                  |



1 Compatible Products

1.1 Product Expansions

1.1.1 Uninterruptible power supply



**Item No.: 787-871**  
Lead-acid AGM battery module; 24 VDC input voltage; 20 A output current; 3.2 Ah capacity; with battery control



**Item No.: 787-873**  
Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 12 Ah capacity; with battery control



**Item No.: 787-872**  
Lead-acid AGM battery module; 24 VDC input voltage; 40 A output current; 7 Ah capacity; with battery control



**Item No.: 787-1671**  
Lead-acid AGM battery module; 24 VDC input voltage; 5 A output current; Capacity: 0.8 Ah; with battery control



**Item No.: 787-876**  
Lead-acid AGM battery module; 24 VDC input voltage; 7.5 A output current; 1.2 Ah capacity; with battery control



**Item No.: 787-878/000-2500**  
Pure Lead Battery Module; 24 VDC input voltage; 20 A output current; Capacity: 2.5 Ah; with battery control



**Item No.: 787-878/001-3000**  
Pure Lead Battery Module; 24 VDC input voltage; 40 A output current; Capacity: 13 Ah; with battery control