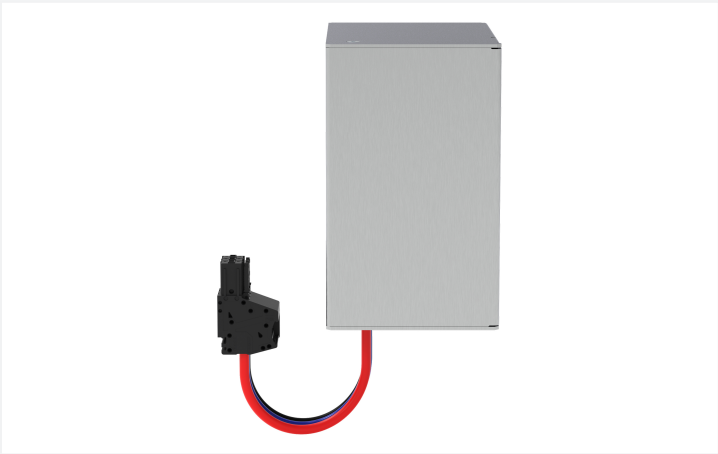
Data Sheet | Item Number: 2685-2501/603-240

UPS Storage module; CAP; 24 VDC output voltage; 40 A output current; 3.19 Wh capacity

https://www.wago.com/2685-2501/603-240







Features:

- Energy storage module for expanding an uninterruptible power supply (UPS)
- Remote function via digital signals
- Pre-assembled connectors for easy installation
- Parallel operation of multiple modules possible

Technical data

Input

Nominal input voltage $U_{i\,nom}$	24 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.1 A (no load); ≤ 4 A (charging); ≤ 44 A

Output

Nominal output voltage $U_{o\,nom}$	24 VDC
Output voltage range	22 … 28 VDC
Nominal output current $I_{o\,nom}$	40 A

Energy storage systems

Memory type	Supercaps
Battery capacity	0.133 Ah; 3.192 Wh; 11.4912 kJ
Charging time (typ.)	32 min

Signaling and Communication

Signaling	3 x LED (green/red/yellow)
Communication/interfaces	Integrated communication bus

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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
Parallel operation	Yes
Series operation	No

Physical data

Width	77 mm / 3.03 inches
Height	127 mm / 5 inches
Depth from upper-edge of DIN-rail	139 mm / 5.47 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	700 g

Environmental requirements

Ambient temperature (operation)	-25 … +70 °C
Ambient temperature (storage)	-25 … +85 °C
Relative humidity	5 … 96 % (no condensation permissible)

Standards and Specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 (SELV) EN 61010-2-201 (PELV) UL 61010-1
Standards/specifications (pending)	DNV

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966633177
Customs tariff number	85322200000

Product Classification

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

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 61010-2-201	E255817

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
2685-2501/603-240

Documentation

Instruction Leaflet

USV-Lade- und -Kontrolleinheit; Eingangsspannung DC 24 V	18.04.2024 04.02.2025	pdf 387.96 KB	

CAD/CAE-Data

CAD data

2D/3D Models
2685-2501/603-240

1 Compatible Products

1.1 Product Expansions

1.1.1 Uninterruptible power supply



Item No.: 2685-1001/601-220
UPS Integrated; CAP; 24 VDC output voltage; 20 A output current; 0.47 Wh capacity; communication capability

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1.2 Optional Accessories

1.2.1 General accessories

1.2.1.1 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

1.2.2 Power supply

1.2.2.1 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

1.2.3 Tool

1.2.3.1 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