



SITOP UPS501S/5KWS/Expansion Module

SITOP UPS501S expansion module 5 kW for UPS500S (2.5 kW, 5 kW) degree of protection IP20

General information	
Technical Product Detail Page	https://l.siemens.com/1P6EP1935-5PG01
memory	
type of energy storage	with capacitors
energy content of energy storage	5 kW.s
protection and monitoring	
display version	-
<ul style="list-style-type: none"> for normal operation 	-
interfaces	
product component PC interface	No
product function communication function	No
design of the interface	without
safety	
operating resource protection class	Class III
protection class IP	IP20
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
<ul style="list-style-type: none"> EAC approval 	Yes
MTBF at 40 °C	350 000 h
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total 	20.2 kg
<ul style="list-style-type: none"> during manufacturing 	11.1 kg
<ul style="list-style-type: none"> during operation 	8.7 kg
<ul style="list-style-type: none"> after end of life 	0.21 kg
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	0 ... 60 °C; with natural convection
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation

connection method	
type of electrical connection	screw terminal
<ul style="list-style-type: none"> at output 	can be connected to SITOP UPS500S via a plug-in system
mechanical data	
width × height × depth of the enclosure	70 × 125 × 125 mm
installation width × mounting height	70 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> top 	50 mm
<ul style="list-style-type: none"> bottom 	50 mm
<ul style="list-style-type: none"> left 	0 mm
<ul style="list-style-type: none"> right 	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> DIN-rail mounting 	Yes
<ul style="list-style-type: none"> S7 rail mounting 	No
<ul style="list-style-type: none"> wall mounting 	No
housing can be lined up	Yes
net weight	0.7 kg

further information internet links	
internet link	
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to web page: power supplies 	https://siemens.com/sitop
<ul style="list-style-type: none"> to website: CAx-Download-Manager 	https://siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com

additional information	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

security information	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>

Classifications			
		Version	Classification
	eClass	14	27-04-07-05
	eClass	12	27-04-07-05
	eClass	9.1	27-04-07-05
	eClass	9	27-04-07-05
	eClass	8	27-04-06-90
	eClass	7.1	27-04-06-90
	eClass	6	27-04-06-90
	ETIM	10	EC000382
	ETIM	9	EC000382
	ETIM	8	EC000382
	ETIM	7	EC000382
	IDEA	4	4149

Approvals Certificates

General Product Approval



CB



EG-Konf.

[Manufacturer Declaration](#)[Declaration of Conformity](#)[China RoHS](#)

UL

General Product Approval

Maritime application

Environment



RCM



ABS



DNV



EPD

last modified:

5/5/2026