SIEMENS

Data sheet

6EP4134-3AB00-0AY0

SITOP UPS1600 24 V DC/10 A SITOP UPS1600 10 A Uninterrupted Power supply input: 24 V DC output: DC 24 V/10 A



24 V
DC
22 29 V DC
22.5 V
21 25 V; Adjustable: 21 V, 21.5 V, 22 V, 22.5 V, 23 V, 24 V, 25
V DC or via software
14 A; for max. charging current (3 A)
with batteries
Adjustable range using rotary coding switch: 0.5 min, 1 min, 2
min, 5 min, 10 min, 20 min, max. buffering time or via software
0.1 A, 3 A
Automatically depending on battery module
0414
24 V

Vin - approx. 0.01 x I
60 s
60 ms
19 28.5 V
10 A
0 30 A
0 30 A
30 A
Yes
Limitation to 3 x I rated for 30 ms/min; through-conductivity for 1.5 x I rated for 5 sec/min
240 W
97.7 %
97.7 %
5.6 W
5.6 W
Yes
Yes
Normal operation: LED green (OK), floating changeover contact "Bat/OK" to setting "OK" ("OK" means: Voltage of the supplying power supply unit is greater than cut-in threshold set at the DC UPS module); Lack of buffer standby: LED red (alarm), floating changeover contact "Alarm/Bat" to setting "Alarm"; Battery replacement required: LED red (alarm) flashing with approx. 0.25 Hz, floating changeover contact "Alarm/Bat" switching with approx. 0.25 Hz; Energy storage > 85%: LED green (Bat > 85%), floating NO contact "Bat > 85" closed; Permissible contact current

• in buffering mode

Buffered mode: LED yellow (Bat), floating changeover contact "OK/Bat" to setting "Bat"; Prewarning battery voltage < 20.4 VDC: LED red (alarm), floating changeover contact "Alarm/Bat" to setting "Alarm"; Energy storage > 85%: LED green (Bat > 85%), floating NO contact "Bat > 85" closed

Interface		
Product component PC interface	No	
Design of the interface	without	
Safety		
Galvanic isolation between entrance and outlet	No	
Operating resource protection class	Class III	
Certificate of suitability		
CE marking	Yes	
 as approval for USA 	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	
 relating to ATEX 	IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cULus Class I, Div. 2 (ANSI/ISA-12.12.01-2015, CSA C22.2 No. 213-15) Group ABCD, T4; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4	
• C-Tick	Yes	
Type of certification CB-certificate	Yes	
Shipbuilding approval	ABS, DNV GL	
Protection class IP	IP20	
EMC		
Standard		
• for emitted interference	EN 55022 Class B	
• for interference immunity	EN 61000-6-2	
Operating data		
Ambient temperature		
 during operation 	-25 +70 °C; with natural convection	
 during transport 	-40 +85 °C	
 during storage 	-40 +85 °C	
Environmental category acc. to IEC 60721	Climate class 3K3, no condensation	
Mechanics		
Type of electrical connection	screw-type terminals	
• at input	24 V DC: 2 screw terminals for 0.2 6 mm²/24 13 AWG	
• at output	24 V DC: 2 screw terminals for 0.2 6 mm²/24 13 AWG	
• for battery module	24 V DC: 2 screw terminals for 0.2 6 mm²/24 13 AWG	
 for control circuit and status message 	14 screw terminals for 0.2 1.5 mm²/24 16 AWG	
Width of the enclosure	50 mm	
Height of the enclosure	125 mm	
Depth of the enclosure	125 mm	
Required spacing		

• top	50 mm
• bottom	50 mm
• left	0 mm
● right	0 mm
Net weight	0.38 kg
Product feature of the enclosure housing for side-by- side mounting	Yes
Mounting type	Snaps onto DIN rail EN 60715 35x7.5/15
Electrical accessories	Battery module
MTBF at 40 °C	415 574 h
Reference code acc. to DIN EN 81346-2	т
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)