
CAMBIA AUTOMATION LIMITED

ABB SB822 3BSE018172R1

DATASHEET

Cambia Group

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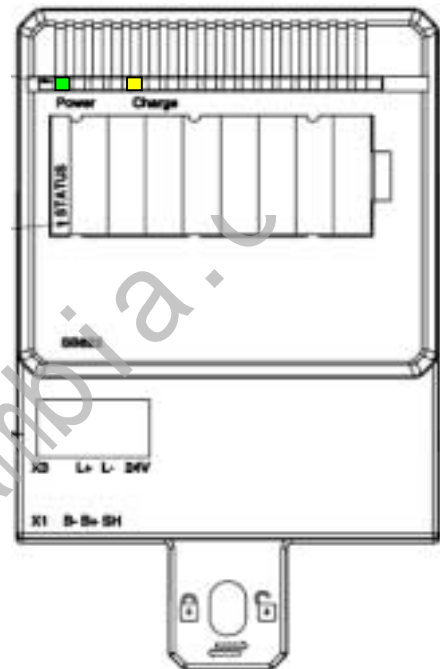
SB822 Rechargeable Battery Unit – AC 800M Memory Back-up

Description

The SB822 battery unit is used as an external power supply to provide extended memory back-up for the AC 800M Controller. The unit is DIN-rail mounted and provided with a separate connecting cable (TK821V020) 2 m (2.2 yd.) in length

Technical Data

Dimensions	W 85.6 x D 51 x H 136 mm (3.4 x 2 x 4.4 in)
Weight	600 g (1.3 lb)
Protecting Rating	IP20 according to EN60529
Battery Type	Rechargeable Lithium-Ion, 3.75V 2.3 Ah
Lithium equivalent content	0.8 g
Input voltage	+24V DC (19.2V – 30V)
Output voltage	3.6V DC
Max output current	50 mA
Max power dissipation	2.3 W (during recharge)
Environmental data	According to AC 800M Controller Hardware
Compliance	CE-marked; UL 508 and UL 60079-15 pending



Marking	Function
L+ L-	External Power Supply Connection +24V DC supply 0 V
B-, B+, SH	Battery unit connecting cable TK821V020
LEDs	
Power	When lit indicates that 24V DC is within specification and is generating valid internal voltage
Charge	When lit indicates that charge of the Li-Ion battery is in progress

Note: When using the SB822 external battery unit, remove the internal battery from the processor unit since status monitoring is only provided for one battery.



Back-up time

Back-up time for a fully charged battery without external 24V DC supply

CPUs	PM851	PM856	PM860	PM861A	PM864A	PM865
Back-up time	min 100 hours	min 100 hours	min 100 hours	min 240 hours	min 490 hours	min 490 hours

Note: Recharge time for an empty battery is approximately 7 hours.

Maintenance

Replace the battery after three years of normal operation or after max 400 cycles of discharge whichever occurs first. Always use battery of original type. Do not dispose of batteries in fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations.

REVISION

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