



BBX012024SBS / BBX012024 / BBX012000

24 V - 1.2 Ah Battery Energy Storage units for DC-UPS systems and critical DC loads

- Lead-acid AGM, VRLA battery technology
- Maintenance-free
- Quick installation on DIN rail or direct on mounting plate
- Automatic detection and continuous monitoring by DCU DC-UPS
- Tool-free battery replacement during operation
- Communication with DCU DC-UPS via signal serial port (SBS version)
- Built-in Temperature compensation probe (SBS version)
- Suitable for backup of high inrush current DC loads and for maximum buffer times.
- Delivered fully charged from warehouse
- Built-in protection fuse plus spare

Norms, Certifications, Conformity, Compliance

Electrical Safety Low voltage Directive 2014/35/UE ; EN 60950-1/VDE 0805 (SELV)

Electronic equipment for use in electrical power installations and their assembly into electrical power installations EN 50178/VDE 0160 (PELV); UL508

Commercial data

Weight per unit, including packing	2.4 kg
Dimensions and Volume per unit, including packing	65 x 138 x 134 mm – 0.0012 m ³
Custom Tarif	85072080
Country of origin	Italy

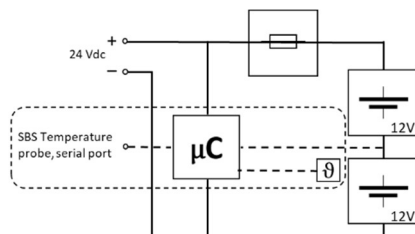


Figure 1- Block Diagram

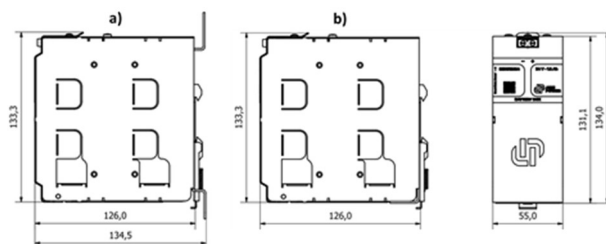
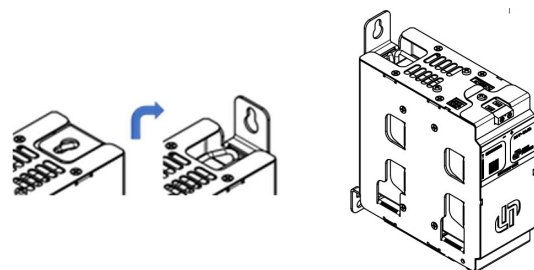


Figure 2- Mounting on a) Mounting plate or b) DIN rail



BBX012024 - 1.2 Ah - Buffer Time							
Load Current (A)	1.5	3	5	7.5	10	15	20
Minutes	20	8	3	2	NA	NA	NA

Technical Data

	Article		
	BBX012024SBS	BBX012024	BBX012000
	Battery Box with SBS temperature probe and signal connection	Basic Battery Box	Casing and inner wiring only
Battery data			
Rated Input/Output Voltage	24 Vdc	24 Vdc	24 Vdc
Nominal capacity	1.2 Ah		
Battery Type	Lead-acid AGM, VRLA		-
Connection in parallel	Yes		-
Connection in series	Yes		-
Max. permissible charging current	0.4 A		-
Max permissible discharging current.	25 A		-
Max Charging voltage (Fast Charge)	28.8 V		-
Float Charging voltage	27.4 V		-
LVD-Low Voltage Disconnection from DCU	< 19 V		-
Self-discharge rate at 20 °C	15% x month		-
Fast Charging	Suitable for Fast Charging		-
Number of blocks	2		-
Number of cells per block	6		-
Internal Fuse - Flat, type Mini		25 A	
Spare Fuse - Flat, type Mini		25 A	
Signal Output/Input			
Serial Port Communication	UART connector	-	-
Temperature compensation	Built-in SBS Temperature probe	-	-
Ambient Data			
Ambient Temperature (operation)	0 °C - +40 °C		-
Ambient Temperature Storage or transport)	0 °C - +40 °C		-
Max Relative Humidity (operation)	95% RH		-
Environment Pollution Degree	2		-
EN/IEC 60947-1			
General Data			
Type of housing	Aluminium and galvanized steel sheet		
Mounting position	Vertical on DIN rail or On Mounting plate		
Connection	Screw type terminals 0.5-16 mm ² (20-6 AWG)		
Protection degree (EN/IEC 60529)	IP 20		
Protection Class (EN/IEC 61140)	III		
Dimensions (W x H x D)	55 x 130 x 126 mm		
Weight	0.4 kg		
Battery Disposal	Not in domestic disposal, follow National rules		