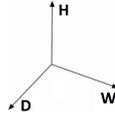# BAT 3.4 VRLA Battery Bank

Maintenance free lead AGM, VRLA technology
Output: 24 VDC 3 Ah
Protection: Fuse
Connection with screws
Short circuit Protection
IP20
Wall Mount with screws
Din Rail Mount

Feature

Battery Bank for DC-UPS "All In One". Lead AGM, VRLA technology, maintenance-free lead-acid batteries whit serial fuse. Simple connection with screws for Wall mount or DIN rail.

Technical Data

Nominal Input Voltage	**24 VDC**
Battery Type (tpy)	**Lead AGM 3 Ah**
Dimension (WxHxD)	**67x60x134 mm**
Protection Fuse	**Flat type Mini 25 A**
Recovery Fuse	**Flat type Mini 25 A**

Charging Data

End-of-charge Voltage (trickle charge) 20°C	**27.5 VDC**
End-of-charge Voltage (trickle charge) 30°C	**26.8 VDC**
End-of-charge Voltage (trickle charge) 40°C	**26.1 VDC**
End-of-charge Voltage (Cycle use) 0 - 40°C	**28.8 VDC**
Max. permissible charging current	**0.9 A**
Max. permissible charging current (Cycle use)	**0.7 A**

Discharging Data

Battery disconnection from CBI	**< 19 VDC**
Max. permissible Discharging current	**25 A**
Self-discharge rate at 20 °C	**15% x month**

General Data

Protection Degree (EN/IEC 60529)	**IP 20**
Protection Class	**III**
Connection Terminal Block Screw Type	**0.5-16 mm² (20-6 AWG)**
Dimension (WxHxD)	**75x193x164 mm**
Weight	**3.9 kg**
DIN Rail	**Yes**
Wall mount	**Yes**

Climatic Data

Ambient Temperature operation	**0 … 40 °C**
Ambient Temperature Storage	**0 … 40 °C**
Humidity at 25 °C, no condensation	**95 %**

Norms and certifications

The CE mark in According to EMC Directive 2014/30/UE and Low voltage Directive 2014/35/UE.

Electrical Safety

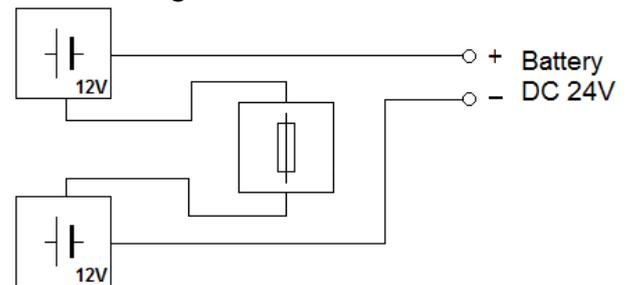In compliance to UL508, EN IEC 61010-2-201:2018
According to EN 60950-1/VDE 0805 (SELV) and EN 50178/VDE 0160 (PELV).
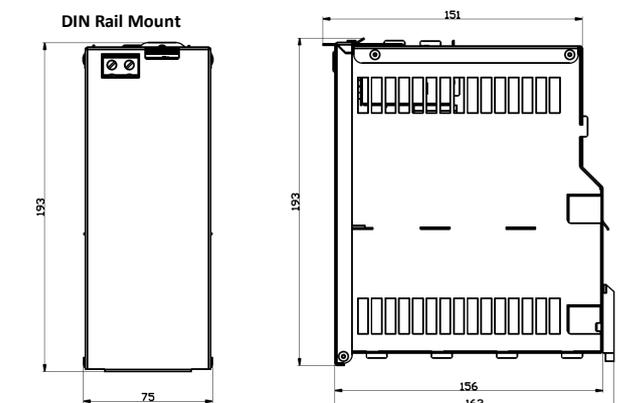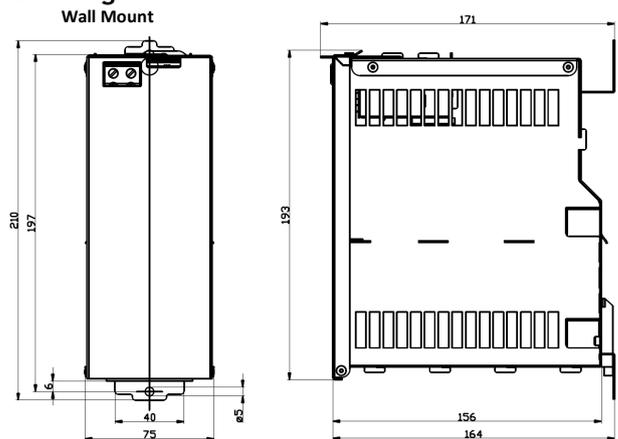EN IEC 62368-1: 2014/AC:2015

Buffering time (min)

Battery Size	1.3 Ah	3 Ah	7 Ah	12 Ah
Load 1.5 A	20	60	200	400
Load 3 A	8	30	120	240
Load 5 A	3	15	55	100
Load 7.5 A	2	10	30	60
Load 10 A	No	7	20	45
Load 12 A	No	3	12	30
Load 15 A	No	No	9	20
Load 20 A	No	No	7	13

Electrical Diagram

+ Battery
− DC 24V

Drawings

Wall Mount

DIN Rail Mount

Accessory

Protection Fuse Flat Type Mini 25 A