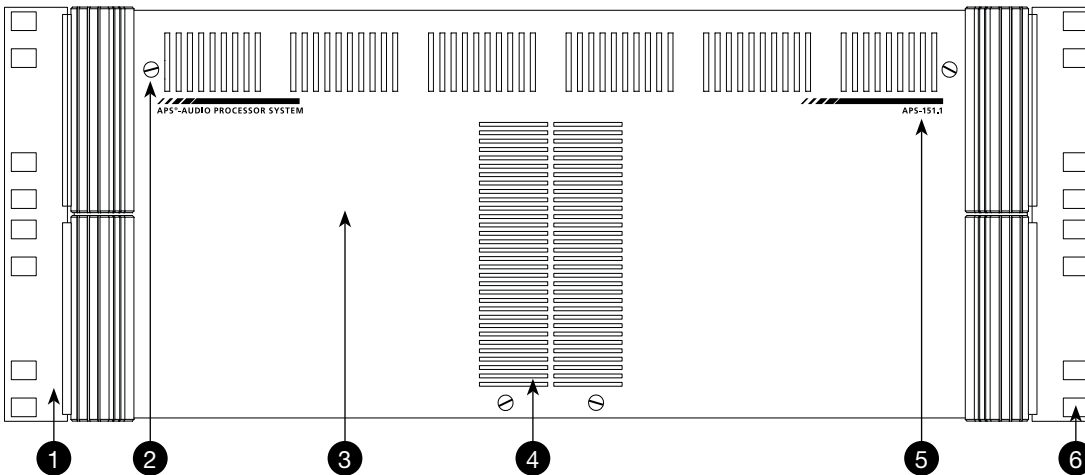


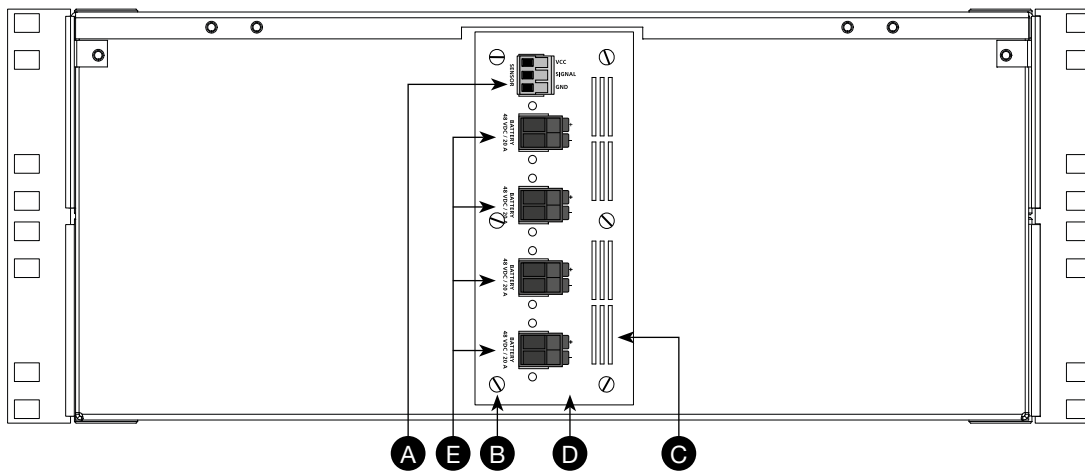
APS-151.1

System casing with battery backup



Front view (FRS)

- | | |
|--------------------------------|--------------------------------|
| 1 19" Adaptor 4U (MC-44) | 4 Ventilation grille |
| 2 Fixing screw for front cover | 5 Model code |
| 3 Front cover | 6 Opening for 19" fixing screw |



Rear view (RWS)

- | |
|---|
| A Pluggable terminal for the temperature sensor |
| B Fixing screw for the connecting plate |
| C Ventilation grille |
| D Connecting plate |
| E Pluggable output terminal of the battery |

Description

Designation and function

Casing for the battery backup of APS systems with amplifiers BO-CD-XXX/-2/-4/-EV

Function

Battery backup 48 VDC

CAUTION!

Leave servicing to skilled personnel only. Any connections must only be made or changed with the system out of operation.

- The unit is suitable for indoor use only. Protect it against humidity and heat
- Do not cover the ventilation grilles of the casing (front and rear) with any objects
- Do not insert anything through the ventilation grilles!
- Do not operate the unit:
 - If there is visible damage at the unit
 - If a defect might have occurred
 - If malfunctions occur
- For cleaning only use a dry, soft cloth – no liquids!
- Use slide bars to install the device in a rack!

Technical specifications

Connection diagram for the temperature sensor (A)



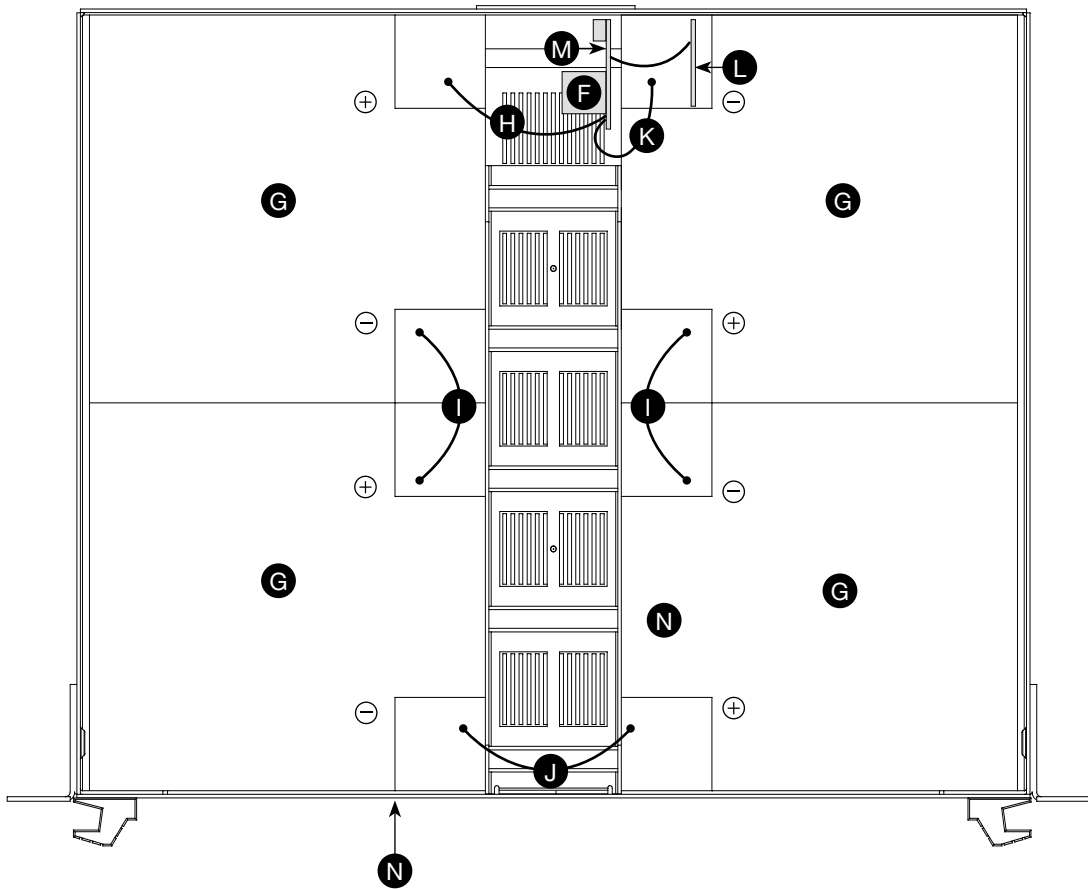
Connection diagram for the battery terminals (E)



General informations

Dimensions (W × H × D)	487 × 177 × 360 mm
Recommended amplifier	BO-CD-XXX/-2/-4/-EV
Number of battery terminals	4
Output voltage per battery terminal	48 VDC
Fuse protection per battery terminal	20 A (Flat car fuse E1182, yellow)
Lead-Acid-Battery (12 V / 24 Ah)	4 pcs
Weight	40 kg
Recommended operating temp.	20°C

Maintenance: The discharging of the batteries with a capacity test is recommended in regular intervals of six months. Then, a complete charging is necessary.



Top view

- | | |
|--|---------------------------|
| F Fuses 1 to 4 for the output terminals (yellow) | K Connecting cable, white |
| G Rechargeable batteries | L Temperature sensor |
| H Connecting cable, red | M Circuit boards |
| I Interconnection, white | N Chassis |
| J Interconnectio, red | |

Instruction for set in the rechargeable batteries

Because the used batteries have a very big weight it is not possible to set in them before transportation.

1. ATTENTION: The temperature sensor (A) and the amplifiers (E) may not be connected!
 2. First insert the lowest APS-151.1 into the rack
 3. Put the screws into the openings (76) and assemble the APS-151.1
 4. Turn out the screws (2) and remove the front cover (3)
 5. Build in the 4 batteries according to the «top view»
 6. Connect the cables according to the «top view» (Order: H/K/I/J).
 7. Glue the temperature sensor (L) internally onto the battery
 8. Assemble the front cover (2)
 9. Make the connection for the temperature sensor (A) to one of the amplifiers feeded by this APS-151.1
 10. Make the connections for the batteries (E) to the amplifiers feeded by this APS-151.1
- Important: To replace the fuses (F), dismantle the connecting plate (D). Do not touch the chassis (N) with the circuit board (M)! Pay attention to the internal wiring!