FNC®-C

Compact line

Motive Power Systems
Reserve Power Systems
Special Power Systems
Service

Your benefits with HOPPECKE FNC®-C

- **Maximum performance and capacity** - by highest energy density at minimum weight
- **Compact and sturdy design** - for use where space is restricted
- **High level of reliability for the entire system** - for much longer service life even under the hardest operating conditions
- **Extended usable life** - by great mechanical stability of all electrochemically active component parts

Similar to the illustration

Typical applications of HOPPECKE FNC®-C

- **for all train and mass transport applications** calling for maximum performance and capacity

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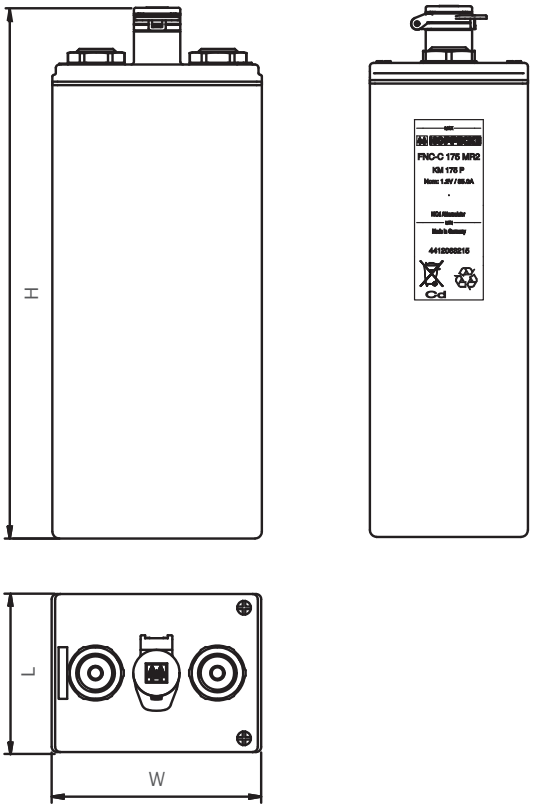
Type overview

Capacities, dimensions and weights

Cell type	Capacity C_5 **[Ah]**	Length **[mm]**	Width **[mm]**	Height **[mm]**	Weight with electrolyte **[kg]**
FNC®-C 80 MR2	80	47	122	309	3.4
FNC®-C 105 MR2	105	58	122	309	4.3
FNC®-C 125 MR2	125	72	122	309	5.1
FNC®-C 175 MR2	175	92	122	309	6.6
FNC®-C 220 MR2	220	115	122	309	8.2

All dimensions refer to our standard casing material PP .
Cells also available in flame retardant plastic (according to UL94-V0, NF F 16101/ -102 I3/F2).*
Other materials available upon request.
* Measurements and weights may deviate slightly from the standard PP.



FNC® batteries can be cycled more than 3000 times (at a depth of discharge of 100%). That makes them reach a higher lifetime and lets them exceed the respective standards by numbers.
Since FNC® electrodes need no graphite additive, electrolyte changing is not necessary – and this for their whole lifetime.
FNC®-C cells have a very compact internal design thus reaching a higher energy density. That reduces the necessary mounting volume in the train.
The charging voltage of FNC®-C cells could be reduced compared to standard FNC® cells of equal performance. Operation at lower “voltage windows” is therefore possible without limitation.

IRIS Certification

All electrodes used in HOPPECKE FNC® cells for rail applications are manufactured exclusively at the ISO 9001, ISO 14001, IRIS and EN 15085 certified location in Brilon, Germany.

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