

General characteristics

Battery's name: **VESMF220**

Voltage: **12** (V)

ETN reference:

Din reference:

Sizes: **514x276x242** (LxWxH)

Drawing n°: **eD C 230-00.00.00**

Capacity: **220** (Ah)

Cold cranking current: **1400** (A,EN)

Cold cranking current: **840** (A DIN)

Dimensional group: EN 60095-4+A11

Hold Down: **B0** "

Charge condition: **WET** "

Lav Out/Terminals: **3/1** "

Internal Resistance (100% charged at 25 °C): **//** (mOhm)

Starting Power (10" at-18 °C): **10.9** (Kw)

Energy Content (20hrs rate at 25°C): **2530** (Wh)

Container	Case	Material:	POLYPROPYLENE	Colour:	BLACK
	Lid	Material:	POLYPROPYLENE	Colour:	BLACK
	Vent cap	Material:	POLYPROPYLENE	Colour:	BLACK

Expanded Metal Technology

Plates number { Positive:
Negative:

Plates Size: Width x Height **143x134.5** (mm)

Cell: Thickness: { Positive: (mm)
Negative: (mm)

Lead alloy: { Positive grid:
Negative grid: **PbCa 0.1**

Gravity Cast Technology

Plates number { Positive:
Negative:

Plates Size: Width x Height **143x134.5** (mm)

Cell: Thickness: { Positive: (mm)
Negative: (mm)

Lead alloy: { Positive grid: **PbSb 1.8**
Negative grid:

Single cell volume: (total cm³)

Electrolyte Height over the plates: (mm)

Specific gravity: (g/cm³)

Battery weight: (Kg)

Battery weight Acid weight: (Kg)

Total battery weight: (Kg)

Single cell volume: **2940** (total cm³)

Height over the plates: **26** (mm)

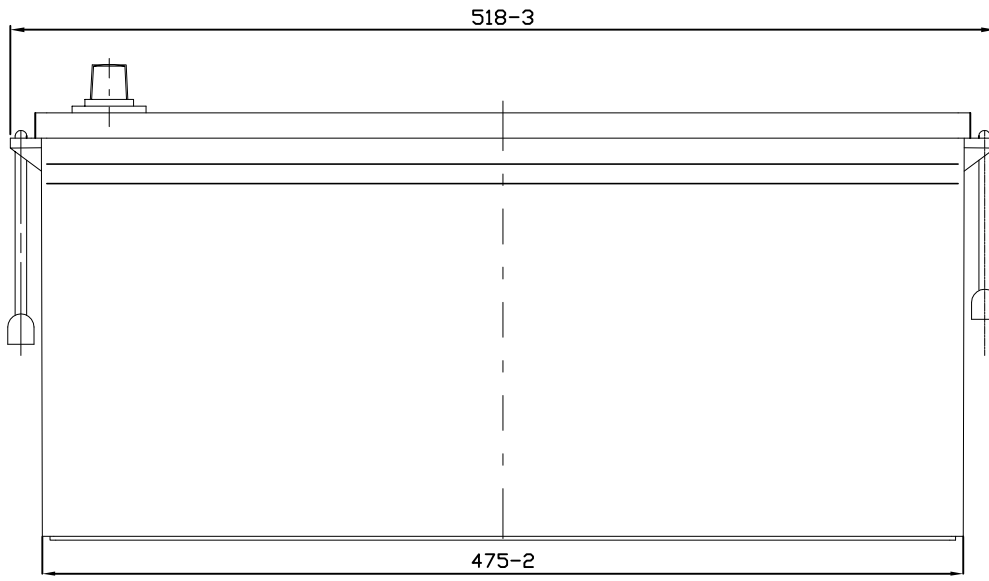
Specific gravity: **1,28** (g/cm³)

Battery weight: **35.90** ± 1.00 (Kg)

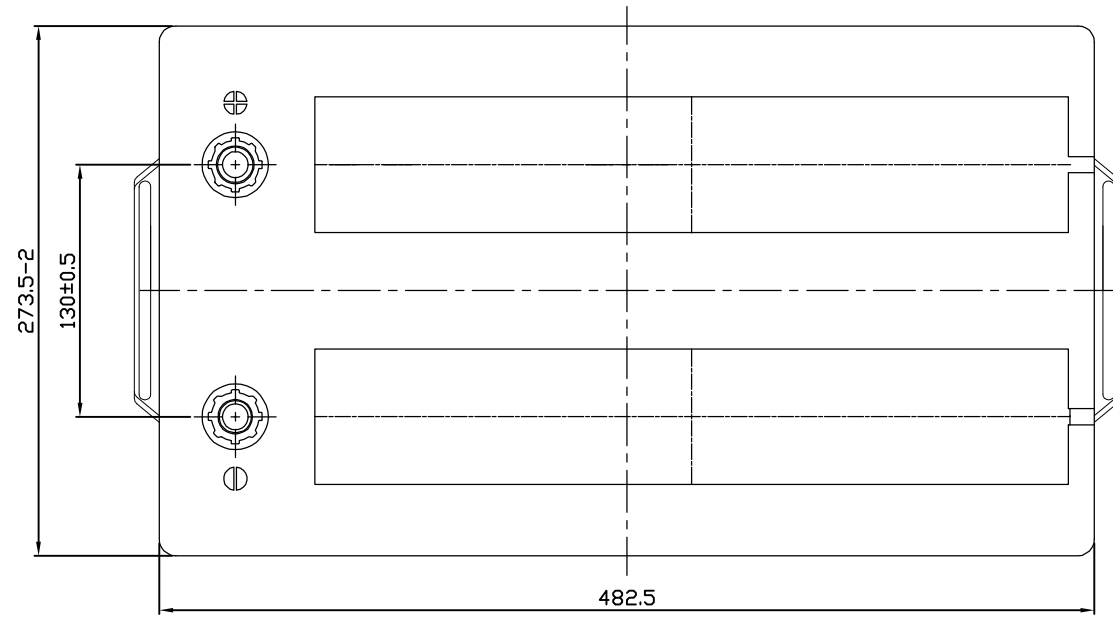
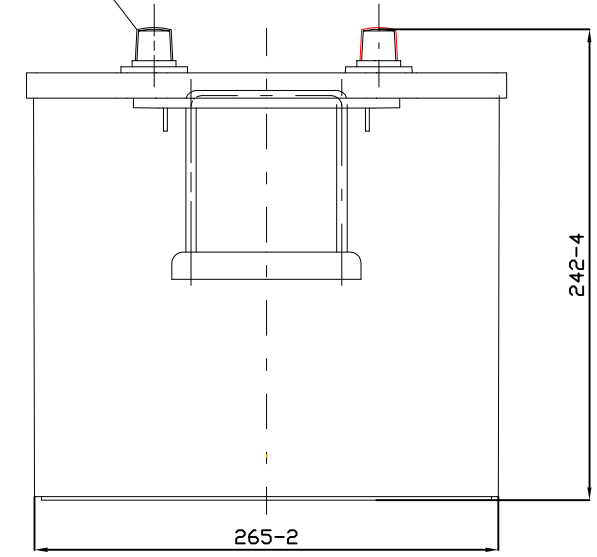
Acid weight: **20.50** ± 0,50 (Kg)

Total battery weight: **56.30** ± 1,50 (Kg)

Separator: Type: **PE** Thickness: **1.2(mm)**

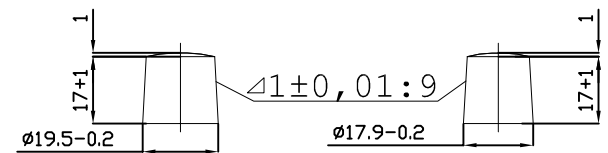


Safety Cap



TERMINALS

POSITIVE NEGATIVE



Battery weight, with electrolyte: 56.30±1.50 kg
 Electrolyte density: 1.28±0,01 kg/l
 C20-220Ah
 Icca-18°C-1400A EN
 Lid Type: Double Lid
 Lid color: Black
 Box color: Black
 Plastic Material: <PP / PE>
 Vent plug: Push-in
 Pole terminal Type: 1
 Connection Diagramme 3

				Scale	Mass	
				1:1		
				Page	VESMF220	
				1/1		
Alternative	Description	Signature	Date			
Drawn by						
Verified						
Techn. Coord.						
Norm. Coord.						