



# FLL 12-150

## DIMENSIONAL FEATURES

|  |        |                                    |  |
|--|--------|------------------------------------|--|
| Nominal Voltage<br>Nominal Capacity (20 hours) |        | 12V<br>150Ah (Vfin 1,8Vpc at 20°C) | Technology:AGM VRLA<br>Alloy: Pb/Ca<br>Tipology of plates: flat<br>Temperature exercise : from -10°C to +50°C<br>Battery sealed no maintenance<br>Safety valves VRLA (a valve per each cell)<br>Box and lid material ABS according UL94:V0 IEC 707<br>Design life >12 years (at 20°C) "Long Life"<br>Standards: IEC CEI EN 60896 Parte 21 and 22 |
| Dimensions                                     | Length | 485 ±2mm                           |  |
|  | Width  | 172 ±2mm                           |  |
| Total Height                                   |        | 240 ±2mm                           |  |
| Drawing n°400199-0                             |        | Weight 45,5 Kg ±5%                 |  |
| Standard Terminal                              |        | Female screw type : M8             |  |

  

|  |  |
|--|--|
|  |  |
|--|--|

colour of box and lid green  
colour of silkscreen white

attacchi per maniglie di sollevamento/  
Pits for lifting handles

date of production  
month  
year of production  
north of production

(in mm)

## ELECTRIC FEATURES

| Characteristics                  |                              |  | Discharge curves @ 20°C |  |
|----------------------------------|------------------------------|--|-------------------------|--|
| Rated Capacity                   | 20 hours rate 1,8Vpc at 20°C | 150,00Ah   |                         |  |
|                                  | 10 hours rate 1,8Vpc at 20°C | 135,00Ah   |                         |  |
|                                  | 5 hours rate 1,7Vpc at 20°C  | 118,60Ah   |                         |  |
|                                  | 3 hours rate 1,7Vpc at 20°C  | 103,95Ah   |                         |  |
|                                  | 1 hour rate 1,6Vpc at 20°C   | 84,50Ah  |                         |  |
| Capacity affected by temperature | 40°C                         | 102%   |                         |  |
|                                  | 20°C                         | 100%   |                         |  |
|                                  | 0°C                          | 85%  |                         |  |
| Internal Resistance 3,8 mΩ ±10%  |                              | SCC 3200 A ±10%  |                         |  |
| Constant Voltage Charge          | Cycle use                    | Initial Charging Current less than 45 A<br>Voltage 14,70~15,00V at 20°C<br>Temperature Coefficient -30 mV/°C |                         |  |
|                                  | Stand-by use                 | No limit on Initial Charging Current<br>Voltage 13,60~13,80V at 20°C<br>Temperature Coefficient -20 mV/°C    |                         |  |

### Constant Current (Amp) and Constant Power (Watt/cell) Discharge Table at 20°C

| Final V./Time |   | 10min  | 15min  | 30min  | 60min  | 90min  | 120min | 180min | 300min | 10h   | 24h   |
|---------------|---|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 9.9V          | A | 267,25 | 214,05 | 142,87 | 83,45  | 67,98  | 54,46  | 34,72  | 23,82  | 14,18 | 6,49  |
|               | W | 471,24 | 385,12 | 266,02 | 166,30 | 142,57 | 94,18  | 80,25  | 54,01  | 31,25 | 14,11 |
| 10.2V         | A | 249,15 | 200,22 | 134,36 | 82,38  | 55,82  | 38,18  | 34,65  | 23,72  | 13,97 | 6,46  |
|               | W | 443,20 | 363,90 | 253,22 | 162,40 | 135,34 | 101,25 | 76,17  | 52,38  | 30,96 | 13,98 |
| 10.8V         | A | 193,20 | 159,25 | 113,05 | 72,46  | 54,51  | 47,55  | 34,26  | 23,34  | 13,50 | 6,39  |
|               | W | 358,02 | 299,10 | 216,10 | 141,10 | 131,40 | 105,00 | 71,05  | 48,45  | 29,01 | 13,39 |