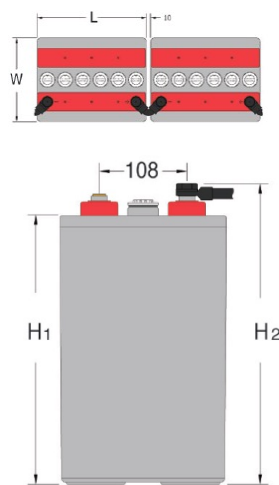


ARG-12V-2-OPzV-125 DATA SHEET

| TECHNICAL CHARACTERISTICS | |
|--|-----------------------------|
| Capacity (Ah), C120 (1,85 V/cell, 20°C) | 139 |
| Capacity (Ah), C10 (1,80 V/cell, 20°C) | 108 |
| Number of plates (+) per cell | 2 |
| Floating voltage set point (V/cell) | 2,25 |
| Maximum initial charge current (A) | 0,3 C10 |
| Recommended Boost Charge Voltage (V/cell) | 2,35 |
| Recommended End of Discharge voltage for 120-hr rate (V/cell) | 1,85 |
| Short circuit current (A) | 1460 |
| Internal resistance (mOhm) | 8,40 |
| Number of cycles at 60% depth of discharge (20°C) | 2000 |
| Self-discharge rate per month at 20 °C | Approx. 2% |
| Dimensions in mm (LxWxH1/H2) H1 = Height to the lid H2 = Height including connectors & bolts | 272 x 205 x 332 x 372 |
| Weight (kg) | 50,6 |
| Type and number of poles | M10 / 2 |
| Operating Temperature / Recommended Temperature | -20°C to 45°C / 10°C - 30°C |



*All dimensions and weights shown are subject to manufacturing tolerances.

** Vertical installation is the default installation for the cells. For horizontal installation special cells are available upon customer request.

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

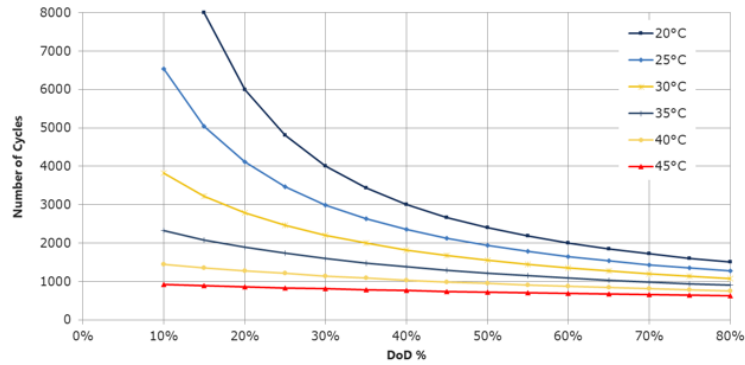
| End Voltage (V/cell) | DISCHARGE TIME | | | | | | | | | | |
|----------------------|----------------|------|------|------|------|------|------|-------|-------|-------|-------|
| | 10 h | 12 h | 20 h | 24 h | 48 h | 50 h | 72 h | 100 h | 120 h | 168 h | 240 h |
| 1,80 V | 10,80 | 9,27 | 5,99 | 5,11 | 2,77 | 2,67 | 1,91 | 1,41 | 1,18 | 0,86 | 0,60 |
| 1,83 V | 10,51 | 9,05 | 5,88 | 5,02 | 2,73 | 2,63 | 1,89 | 1,39 | 1,17 | 0,85 | 0,60 |
| 1,85 V | 10,20 | 8,80 | 5,75 | 4,92 | 2,69 | 2,59 | 1,87 | 1,38 | 1,16 | 0,84 | 0,59 |
| 1,90 V | 9,08 | 7,86 | 5,18 | 4,46 | 2,47 | 2,39 | 1,74 | 1,29 | 1,09 | 0,80 | 0,56 |
| 1,92 V | 8,50 | 7,36 | 4,88 | 4,20 | 2,35 | 2,27 | 1,65 | 1,23 | 1,05 | 0,76 | 0,54 |
| 2,00 V | 5,43 | 4,75 | 3,25 | 2,83 | 1,65 | 1,60 | 1,18 | 0,90 | 0,76 | 0,56 | 0,40 |

CONSTANT POWER DISCHARGE IN W/CELL (AT 20°C)

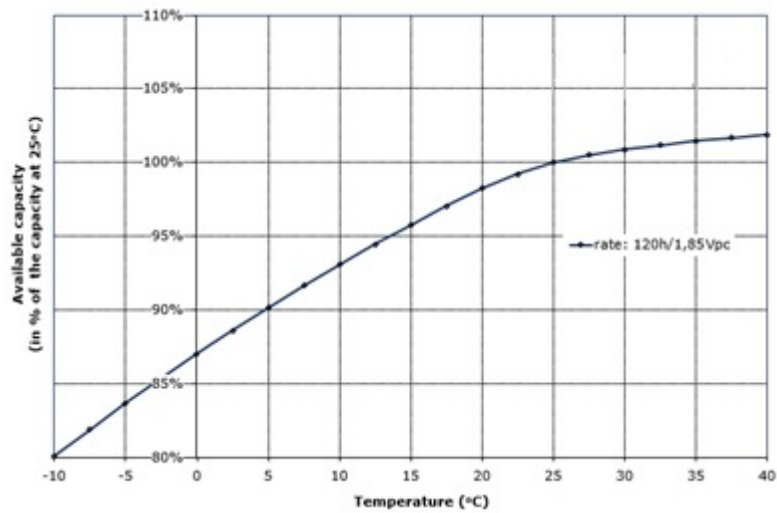
| End Voltage (V/cell) | DISCHARGE TIME | | | | | | | | | | |
|----------------------|----------------|-------|-------|-------|------|------|------|-------|-------|-------|-------|
| | 10 h | 12 h | 20 h | 24 h | 48 h | 50 h | 72 h | 100 h | 120 h | 168 h | 240 h |
| 1,80 V | 21,00 | 18,07 | 11,76 | 10,06 | 5,49 | 5,29 | 3,81 | 2,82 | 2,38 | 1,73 | 1,22 |
| 1,83 V | 20,48 | 17,67 | 11,56 | 9,90 | 5,42 | 5,23 | 3,77 | 2,80 | 2,36 | 1,71 | 1,21 |
| 1,85 V | 19,92 | 17,22 | 11,32 | 9,71 | 5,35 | 5,16 | 3,73 | 2,77 | 2,34 | 1,70 | 1,20 |
| 1,90 V | 17,87 | 15,49 | 10,28 | 8,85 | 4,96 | 4,79 | 3,49 | 2,61 | 2,21 | 1,62 | 1,15 |
| 1,92 V | 16,78 | 14,57 | 9,71 | 8,38 | 4,72 | 4,56 | 3,34 | 2,50 | 2,12 | 1,56 | 1,11 |
| 2,00 V | 10,91 | 9,57 | 6,58 | 5,74 | 3,37 | 3,26 | 2,43 | 1,84 | 1,57 | 1,17 | 0,84 |



EXPECTED NUMBER OF CYCLES VS. DOD



CAPACITY VS. TEMPERATURE



GUIDANCE FOR THE INITIAL LOW-VOLTAGE DISCONNECT SETTINGS (25°C REFERENCE TEMPERATURE)

