

# Rolls

**S2-2140GEL**  
**2V 2140 AH @C20**

**TUBULAR POSITIVE - OPzV - VALVE REGULATED GEL BATTERY**



**Rolls**  
**BATTERY ENGINEERING**  
 BY SURRETTE BATTERY COMPANY

| CONSTANT CURRENT DISCHARGE |      |      |     |     |     |     |     |      |      |
|----------------------------|------|------|-----|-----|-----|-----|-----|------|------|
| CUT OFF VOLTAGE V/CELL     | 30M  | 1HR  | 2HR | 3HR | 5HR | 6HR | 8HR | 10HR | 20HR |
| 1.6V                       | 1850 | 1264 | 766 | 550 | 354 | 318 | 243 | 210  | 110  |

| SPECIFICATIONS                |                                    |                       |
|-------------------------------|------------------------------------|-----------------------|
| Nominal Voltage               |                                    | 2 Volt                |
| Rated Capacity (20 hour rate) |                                    | 2140 AH               |
| Dimensions                    | Total Height (including terminals) | 807mm / 31.77"        |
|                               | Length                             | 399mm / 15.71"        |
|                               | Width                              | 214mm / 8.43"         |
|                               | Weight                             | 330.69 lbs / 150.0 Kg |



| CHARACTERISTICS                                 |                                       |                               |
|---|---------------------------------------|-------------------------------|
| Capacity<br>77°F (25°C)                         | 100 Hour Rate                         | 2490 AH                       |
|   | 20 Hour Rate                          | 2140 AH                       |
|   | 10 Hour Rate                          | 2000 AH                       |
| Internal Resistance                             | Full charged Battery 77°F (25°C)      | 0.22mΩ                        |
| Capacity Affected by Temperature<br>(20hr rate) | 104°F (40°C)                          | 105%                          |
|   | 77°F (25°C)                           | 100%                          |
|   | 32°F (0°C)                            | 89%                           |
|   | 5°F (-15°C)                           | 79%                           |
| Self-Discharge                                  | Less than 2% per month at 77°F (25°C) |                               |
| Max Discharge<br>77°F (25°C)                    | 7000A (5s)                            |                               |
| Terminal  | Standard                              | Thread insert & Bolt (F10-M8) |
| Float Charging Voltage Range                    | 2.25 to 2.3 VDC/unit Average at 25°C  |                               |
| Max Charge Current                              | 400 Amps                              |                               |

