



**DEEP CYCLE**  
**SERIES: 4000**  
**MODEL: 8 HHG 31P**

**BATTERY ENGINEERING**  
**WWW.ROLLSBATTERY.COM MADE IN CANADA**

**BATTERY TYPE: 8 VOLTS**

**DIMENSIONS:**

**LENGTH** 686 MM 27 INCHES  
**WIDTH** 203 MM 8 INCHES  
**HEIGHT** 302 MM 11 7/8 INCHES

**WEIGHTS:**

**WEIGHT DRY** 58 KG 128 LBS.  
**WEIGHT WET** 76 KG 167 LBS.

**CONTAINER CONSTRUCTION:**

**CONTAINER: (INNER)** POLYPROPYLENE  
**COVER: (INNER)** POLYPROPYLENE - HEAT SEALED TO INNER CONTAINER  
**CONTAINER: (OUTER)** HIGH DENSITY POLYETHYLENE  
**COVER: (OUTER)** HIGH DENSITY POLYETHYLENE SNAP FIT TO OUTER CONTAINER  
**TERMINALS:** FLAG WITH STAINLESS STEEL NUTS AND BOLTS  
**HANDLES:** MOLDED

**PLATES:**

**POSITIVE PLATE DIMENSION:**  
**HEIGHT** 140 MM 5.500 INCHES  
**WIDTH** 143 MM 5.625 INCHES  
**THICKNESS** 3.81 MM 0.150 INCHES

**CELLS:** 4  
**PLATES/CELL:** 29

**NEGATIVE PLATE DIMENSION:**  
**HEIGHT** 140 MM 5.500 INCHES  
**WIDTH** 137 MM 5.375 INCHES  
**THICKNESS** 2.49 MM 0.098 INCHES

**SEPARATOR:**  
**THICKNESS** 2 MM 0.081 INCHES  
**INSULATION:**  
**GLASS MAT** 1 MM 0.020 INCHES

**CAPACITY:**

**CRANK AMPS:**  
**COLD (CCA)** 0°F / -17.8°C 1445  
**MARINE (MCA)** 32°F / 0°C 1806

**ELECTROLYTE RESERVE:**  
**ABOVE PLATES** 70 MM 2.75 INCHES  
**RESERVE CAPACITY:**  
**RC @ 25A** 696 MINUTES

**20 HR RATE: 344**

	<b>HOUR RATE</b>	<b>SPECIFIC GRAVITY</b>	<b>CAP / AH</b>	<b>CURRENT / AMPS</b>
CAPACITY @	100 HOUR RATE	1.280 SP. GR.	458	4.58
CAPACITY @	72 HOUR RATE	1.280 SP. GR.	433	6.02
CAPACITY @	50 HOUR RATE	1.280 SP. GR.	409	8.19
CAPACITY @	24 HOUR RATE	1.280 SP. GR.	354	14.8
<b>CAPACITY @</b>	<b>20 HOUR RATE</b>	<b>1.280 SP. GR.</b>	<b>344</b>	<b>17.2</b>
CAPACITY @	15 HOUR RATE	1.280 SP. GR.	323	21.6
CAPACITY @	12 HOUR RATE	1.280 SP. GR.	306	25.5
CAPACITY @	10 HOUR RATE	1.280 SP. GR.	292	29.2
CAPACITY @	8 HOUR RATE	1.280 SP. GR.	275	34.4
CAPACITY @	6 HOUR RATE	1.280 SP. GR.	255	42.4
CAPACITY @	5 HOUR RATE	1.280 SP. GR.	241	48
CAPACITY @	4 HOUR RATE	1.280 SP. GR.	224	56
CAPACITY @	3 HOUR RATE	1.280 SP. GR.	203	68
CAPACITY @	2 HOUR RATE	1.280 SP. GR.	175	88
CAPACITY @	1 HOUR RATE	1.280 SP. GR.	124	124



I STATION RD SPRINGHILL, NOVA SCOTIA CANADA B0M 1X0 1.800.681.9914

REV.2  
 Jan-10  
 8 HHG 31P



**SAI GLOBAL**

Registered  
ISO 9001:2008

PART NUMBER: 8-HHG-31P


WEIGHT WET: 167 LB / 76 KG

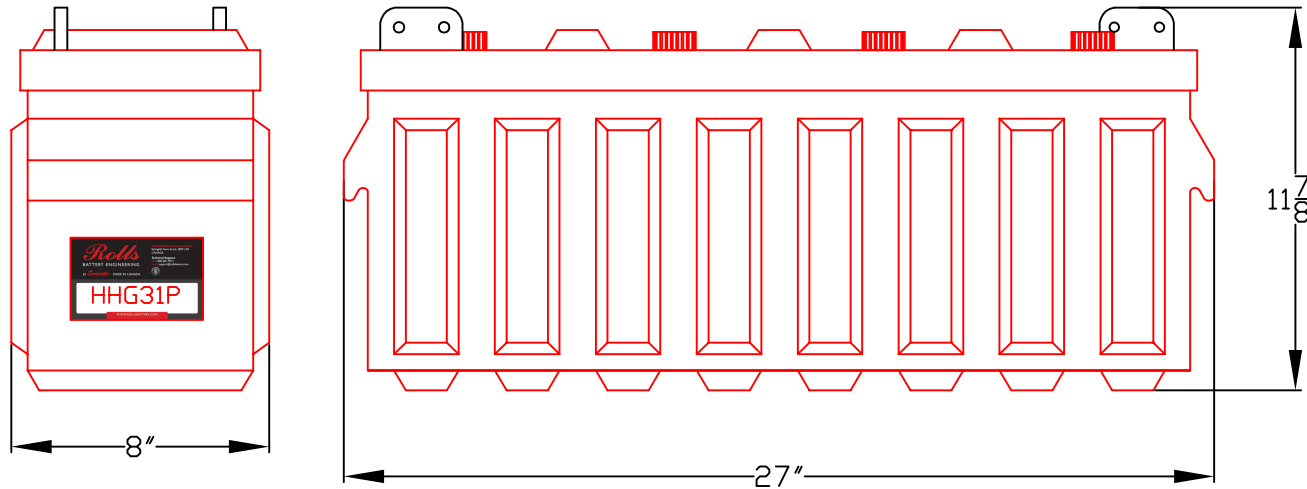
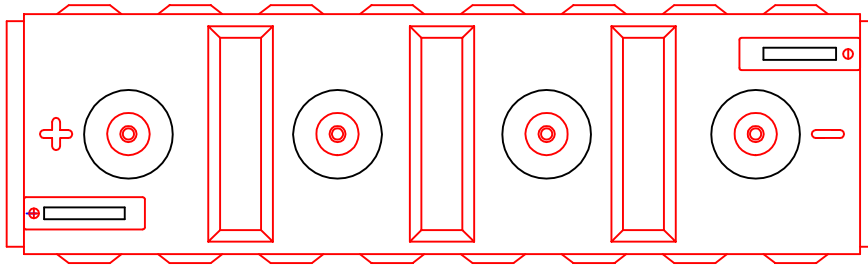
WEIGHT DRY: 128 LB / 58 KG

CAPACITY: 344 AH 20 HR

VOLTAGE: 8 V

OVERALL DIMENSIONS: 27"x 8"x 11<sup>7</sup>/<sub>8</sub>"

 MAX HEIGHT WITH OPTIONAL HYDROCAPS 12.38" / 316 MM



**Rolls**  
BATTERY ENGINEERING

TITLE:

8HHG31P

DESCRIPTION:

8V DEEP CYCLE 4000 SERIES

CONTACT INFO:

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SCALE: 1" = 6" 1" = 4" JPEGI  
 8.5" X 11" 11" X 17" NOT TO SCALE

Drawn by: S. WILES Approved By: D. SURRETTE

DATE: JAN-2010 REVISION 2.0

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