

# UPS RANGE



Haze Battery Company



**Model No. UPS 140** (12 Volts, 140 Watts Per Cell for 15 minutes to 1.67 vpc)

Valve Regulated Lead Acid Battery for UPS applications

**Innovative Features**

- ◆ Completely maintenance free, sealed construction eliminates the need for watering
- ◆ Fully tank formed plates
- ◆ Analytical Grade electrolyte
- ◆ Spill proof / leak proof
- ◆ Valve regulated Max internal pressure 2.5 psi
- ◆ Multi-position usage
- ◆ ABS Case & Cover Flame Retardant meets UL 94 VO requirements
- ◆ Low self discharge
- ◆ FAA and IATA approved as non-hazardous
- ◆ Designed to comply with IEC 896 Part 2, British Standard BS 6290 Part 4, Eurobat, DIN 43534
- ◆ UL Recognized, ISO 9001

<b>12 Volts - 140 Watts Per Cell for 15 minutes to 1.67 vpc</b>										
Constant Power Discharge Ratings - Watts per cell @ 77°F (25°C)										
Operating Time (minutes)	5	10	15	20	30	40	45	50	60	90
1.67 vpc	281	182	140	115	86	69	63	58	50	39

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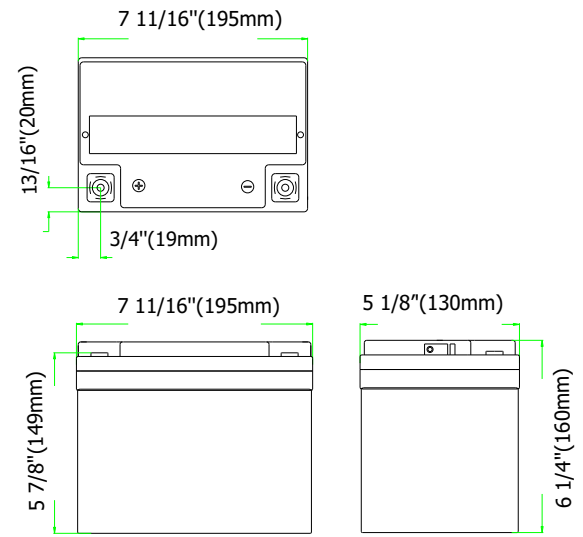
AGM Range  
Sealed Lead Acid 12 Volt Bloc

## Specifications

Nominal Voltage	12 Volts		
Nominal Capacity at 77°F (25°C)	140 watts per cell at 15 minute rate to 1.67 vpc 32.8 Ah @ 20 hr rate to 1.75vpc		
Dimensions	Total Height (Inc terminals)	6.30 inches n/a	160 mm n/a
	Length	7.68 inches	195 mm
	Width	5.12 inches	130 mm
	Weight	24.5	11.11 Kg
<b>Characteristics</b>			
Internal Resistance	8.5 mOhms		
Capacity correction for temperature Variations 77°F (25°C)	104°F (40°C)	102%	
	68°F (20°C)	100%	
	32°F (0°C)	85%	
Self Discharge 77°F (25 Deg C)	Capacity after 1 month storage	98%	
	Capacity after 3 months storage	94%	
	Capacity after 6 months storage	86%	
Short Circuit Current 77°F (25 Deg C)	1100		
Terminal Charging (Float Voltage)	Standard	14mm Insert M6 thread	
	Float	2.27 - 2.30 vpc (59-77°F)	



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## Constant Current Discharge Ratings - Amperes @ 77°F (25°C)

Operating Time to End Voltage

End V per Cell	Minutes				Hours							
	5	15	30	45	1	2	3	5	8	10	12	20
1.85	101	55	34	27	20.4	11.8	8.4	5.5	3.6	2.9	2.5	1.5
1.80	113	61	37	30	22.3	12.4	8.8	5.6	3.7	3	2.6	1.6
1.75	121	67	40	32	23.7	13	9.1	5.8	3.8	3.1	2.7	1.7

## Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C)

Operating Time to End Voltage (In minutes)

End V per Cell	5	10	15	20	30	40	45	50	60	90
1.75	264	178	137	112	84	68	62	57	49	39
1.70	277	182	139	114	85	68	62	57	50	39
1.65	285	184	141	115	86	69	63	58	50	39
1.60	289	186	142	116	86	69	63	58	50	39

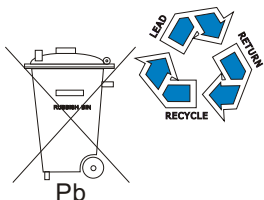
## Specifications

Design Life	12 Years
Operating Temperature	-4 °F to 122 °F
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	Very high purity lead
Charge Voltage	Float 2.25 - 2.30 VPC @77 °F Cycling 2.35 @77 °F Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Analytical grade purity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Torque setting	The recommended torque value for all types is 44-62 inch-pounds

## Terminal Details

Insert are made from brass with copper, nickel and silver plating giving excellent mechanical, electrical and corrosion resistant properties.

Insert 14mm Dia M6 thread, epoxy sealed.



Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.



Ver. 03/01/08