

HZY6-160 Valve Regulated Lead Acid battery.
12 year design life for stand by power applications.

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Special formation process
- Analytical Grade electrolyte
- Spill proof / leak proof
- Valve regulated Max internal pressure 2.5 psi
- Multi-position usage
- ABS Case and cover - V0 on request
- Low self discharge
- FAA and IATA approved as non-hazardous
- Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.



Specifications

Nominal Voltage	6 Volts
Nominal Capacity	184.6Ah (C20) 1.75Vpc
Design Life	12 Years
Operating Temperature	-20 °C to 50 °C
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Microporous polymer
Active material	Very high purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.25 - 2.30 VPC @25 °C Cyclic - See Haze cyclic charging profile. Max ripple 0.05C (A)
Electrolyte	Gelled 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)
Terminal	Epoxy sealed by extended mechanical paths



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

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Sealed Lead Acid 6 Volt Bloc **GEL Range**
PRODUCT SHEET HZY6-160

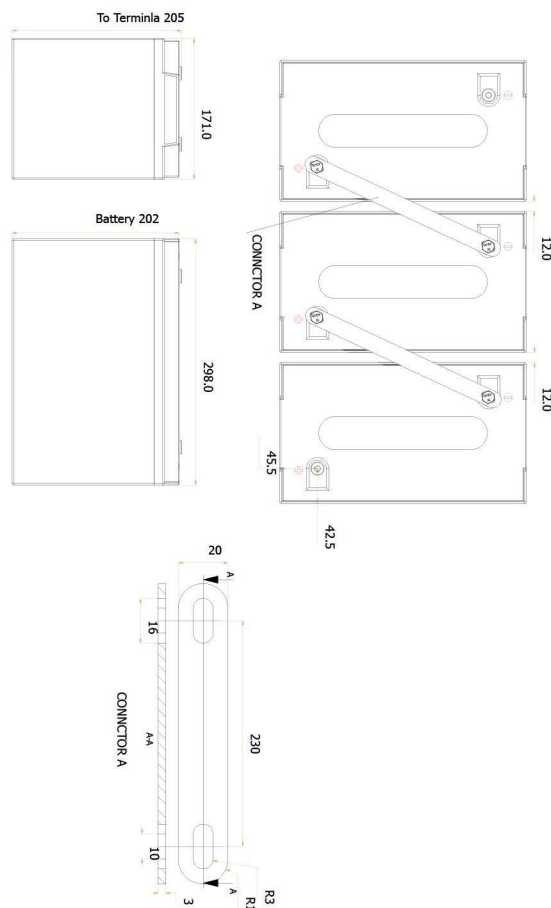
6V
Gel

Specifications

Nominal Voltage		6V	
Nominal Capacity		184,6 Ah	
Dimensions	Total Height	226 mm	8.90 inches
	(Inc. terminals)	- mm	n/a inches
	Length	298 mm	11.73 inches
	Width	171 mm	6.73 inches
	Weight	26.90 Kg	59.45 lbs

Characteristics

Capacity 20-25 °C (68-77 °F) To 1.75 volts	20 hour rate	184.6 Ah
	10 hour rate	172.0 Ah
	5 hour rate	154.0 Ah
	1 hour rate	116.0 Ah
	15 min rate	65.3 Ah
	Internal Resistance	1.7 mOhms
Capacity correction for Temperature Variations (C20)	Impedance	S
	40 °C (104 °F)	102%
	20 °C (68 °F)	100%
	0 °C (32 °F)	85%
Self-Discharge 20 °C (68 °F)	-15 °C (5 °F)	65%
	Capacity after 1 months storage	98%
	Capacity after 3 months storage	94%
Short Circuit Current 20 °C (68 °F)	Capacity after 6 months storage	86%
	4600	
Terminal	Standard	14mm Insert M6 thread
	Optional	Cu Flag
Charging (Constant Voltage)	Cyclic	2.35 - 2.40 VPC (20-25 °C)
	Float	2.27 - 2.30 VPC (15-25 °C)



Constant Power Discharge - Watts per Cell @20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr
1.85	554	422	365	326	296	271	250	231	215	175	127	100	69.7	54.7
1.80	592	451	390	348	316	289	267	247	230	187	136	106	74.5	58.4
1.75	630	480	415	370	336	307	284	262	244	199	144	113	79.2	62.2
1.70	644	491	424	378	343	314	290	268	250	203	148	116	81.0	63.5
1.67	649	495	428	381	346	317	292	271	252	205	149	117	81.7	64.1
1.65	652	497	430	383	348	318	293	272	253	206	149	117	82.0	64.4
1.60	658	502	434	387	351	321	296	274	255	208	151	118	82.8	65.0

Constant Amps Discharge - Amps @20-25 °C

End V per Cell	5M	10M	15M	20M	25M	30M	35M	40M	45M	60M	90M	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr
1.85	376	277	229	193	173	156	146	135	126	102.5	74.6	58.8	41.9	32.8	27.1	23.3	20.5	18.3	15.1	12.9	8.12
1.80	402	296	245	206	185	167	156	144	135	110	79.7	62.8	44.8	35.1	29.0	24.9	21.9	19.6	16.1	13.7	8.68
1.75	427	315	261	220	197	178	165	153	143	116	84.8	66.8	47.7	37.3	30.8	26.5	23.3	20.8	17.2	14.6	9.23
1.70	437	322	266	224	201	182	169	157	146	119	86.7	68.3	48.7	38.1	31.5	27.1	23.8	21.3	17.5	14.9	9.43
1.67	441	325	269	226	203	183	171	158	148	120	87.4	68.9	49.1	38.5	-	-	-	-	-	-	-
1.65	442	326	270	227	204	184	171	159	148	121	87.8	69.1	49.3	38.6	-	-	-	-	-	-	-
1.60	447	329	272	230	206	186	173	160	150	122	88.6	69.8	49.8	39.0	-	-	-	-	-	-	-

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**UL Recognised
Component
MH28512**