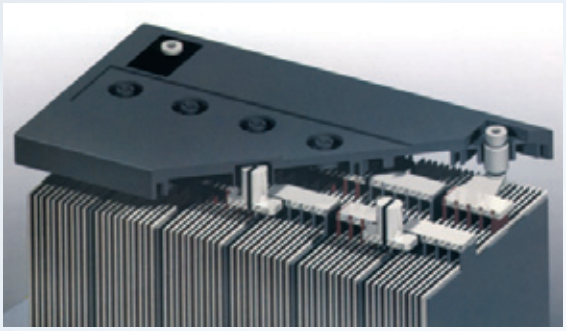
STATIONARY BATTERIES

BATERÍAS ESTACIONARIAS

100% maintenance free
Libre de mantenimiento

VRLA - AGM BATTERIES

BATERÍAS VRLA-AGM



DAS-SERIES

Valve regulated lead acid (VRLA) batteries for standby applications (Floating-use) such as UPS systems, emergency centres, telephone exchanges, medical applications, solar panels, navy navigation ...

Baterías herméticas de plomo-ácido (VRLA) para aplicaciones de reserva (uso flotante): sistemas UPS, sistemas de alarma, telefonía, aplicaciones médicas, marina etc.

5 year Life Design "Flooting Use"
VRLA: Valve Regulated Lead-Acid
SLA: Sealed Lead ACID
AGM: Absorbed Glass Matt

Reference Referencia	Volt	Ah 20h	Ah 5h	X	Y	H	Kg	Qty / box	Terminals Terminales
DAS4-4.5	4V	4,5Ah	3,4Ah	47	47	106	0,5	40	C-T1
DAS4-5	4V	5Ah	3,9Ah	91	50	80	0,55	20	T1-C
DAS6-1	6V	1Ah	0,8Ah	51	42	56	0,23	40	B-T1
DAS6-1.3	6V	1.3Ah	1,1Ah	98	25	56	0,32	40	B-T1
DAS6-3.2	6V	3.2Ah	2,7Ah	134	34	66	0,73	20	B-T1
DAS6-4.5	6V	4.5Ah	3,4Ah	70	48	106	0,81	20	A-T1
DAS6-7.2	6V	7,2Ah	5,8Ah	150	34	100	1,4	10	B-T1
DAS6-10	6V	10Ah	8,5Ah	151	50	101	2,1	10	B-T1
DAS6-12	6V	12Ah	9,8Ah	151	50	101	2,2	10	B-T2
DAS6-14	6V	14Ah	11,6Ah	108	68,5	140	2,4	8	T2-B
DAS12-0.8	12V	0,8Ah	0,6Ah	96	25	62	0,4	20	T1
DAS12-1.3	12V	1,3Ah	1,1Ah	96,5	45	59	0,6	20	E-T1
DAS12-2	12V	2Ah	1,6Ah	150	20	89	0,9	50	T1
DAS12-2.2	12V	2,2Ah	1,8Ah	177,5	34	66	1	20	B-T1
DAS12-2.9	12V	2,9AH	2,3AH	79	56	105	1,1	40	C-T1
DAS12-3.3	12V	3,3Ah	2,8Ah	133,5	67	67	1,4	10	C-T1
DAS12-4	12V	4Ah	3,4Ah	90	70	107	1,8	10	T1-B
DAS12-5	12V	5Ah	3,9Ah	90	70	107	1,8	10	D-T1
DAS12-7.5*	12V	7,5Ah	6Ah	151	65	99	2,7	8	D-T1
DAS12-9	12V	9Ah	6,8Ah	151	65	99	2,8	8	D-T2
DAS12-12*	12V	12Ah	9,8Ah	150	97	99	4,2	4	D-T2
DAS12-14	12V	15Ah	12,3Ah	150	97	99	4,3	4	C-M5
DAS12-18	12V	18Ah	14,8Ah	180	76	167	6,3	2	C-M5
DAS12-26	12V	26Ah	22,3Ah	165	174,5	125	9,2	1	C-M5
DAS12-33	12V	33Ah	25,7Ah	193,5	130	166,5	10,9	1	B-M6
DAS12-44	12V	44Ah	33,2Ah	196	164	170,5	13,6	1	C-M6
DAS12-70	12V	70Ah	61,4Ah	350	167	174	21,5	1	C-M6
DAS12-100	12V	100Ah	78,1Ah	305	168	210	30	1	B-M6

* VDS Approved

Terminals and adapter	J-type adaptor M6	BAT/42019	one set is 2 adaptors
	automot. adaptor M6	BAT/33955	one set is 2 adaptors
	automot. adaptor M8	BAT/33956	one set is 2 adaptors


Lead Flag (F)

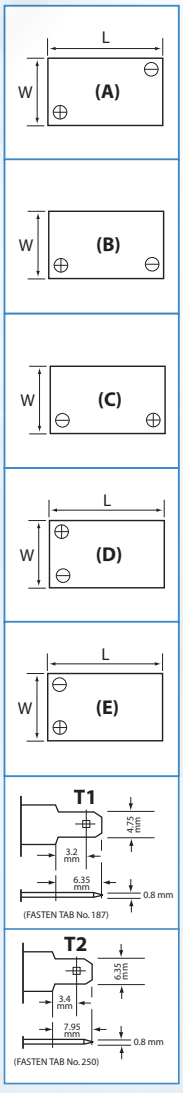

automotive (A)

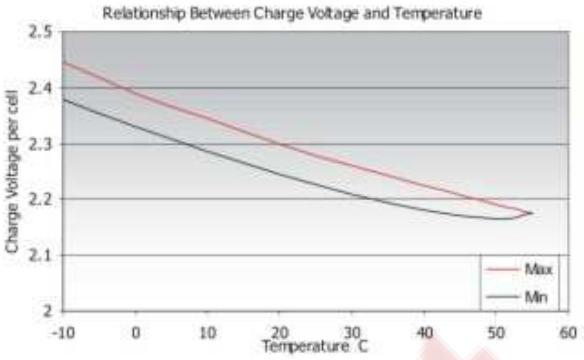

J type

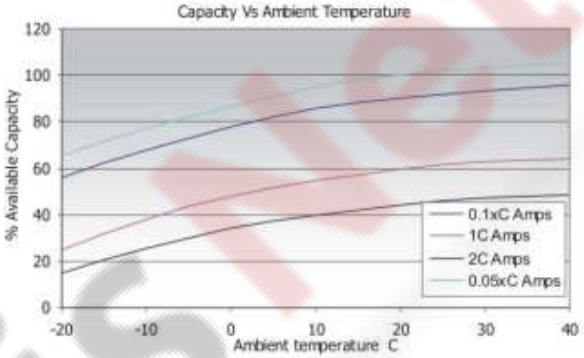

Copper Flag

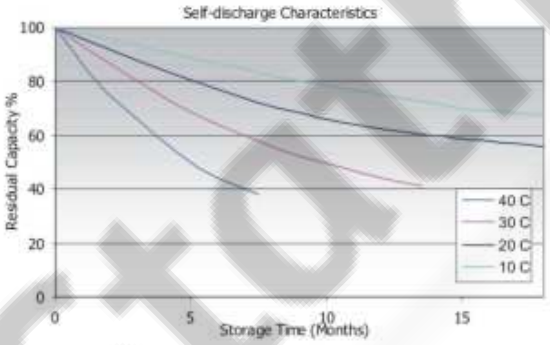

J-type

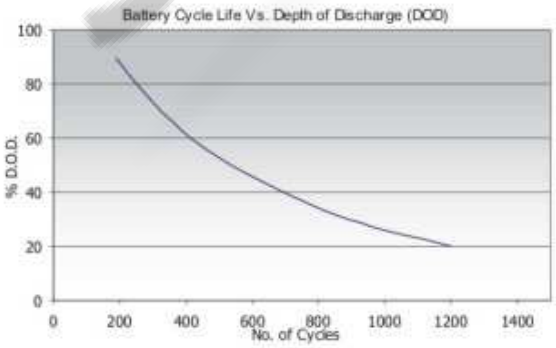

insert (M..)











CHARGING CHARACTERISTICS

Floating - The optimum float voltage for a battery is temperature dependant, at 15 - 24°C the recommended value is 2.27 - 2.30V. It is recommended that battery installation sites are temperature controlled, however float voltage can be increased or decreased to compensate for temperature variations. Adjustment is calculated at +/- 3 mV per degree C.

Operating Temperature	Recommended Applied Float Voltage VPC
0-9	2.33 - 2.35
10-14	2.30 - 2.33
15-19	2.27 - 2.30
20-24	2.27 - 2.30
25-29	2.25 - 2.27
30-34	2.23 - 2.25
35-40	2.21 - 2.23

The most suitable charging method for battery life and performance is the constant voltage method with a limited initial current, usually limited to a maximum of $C_{20}/4$.

Innovative Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Increased durability and deep cycle ability for heavy demand applications
- Fully tank formed plates
- Low impurity 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.

Applications

- Float service
- Uninterruptible Power Supplies
- Medical
- Telecommunications
- Switch Gear
- Photovoltaic
- Solar
- Wind
- Control Systems
- Cellular Radio Stations
- Cathodic Protection
- Navigation Aids
- Marine equipment
- Electric Power Systems

	Capacity temperature correction Factor to be applied to Data at 20 Degrees C								
Discharge Time	0 °C	5 °C	10 °C	15 °C	20 °C	25 °C	30 °C	35 °C	40 °C
5 minutes to 59 minutes	0.8	0.86	0.91	0.96	1	1.037	1.063	1.085	1.1
1 Hour to 100 Hours	0.86	0.9	0.93	0.97	1	1.028	1.05	1.063	1.07

Specifications

Nominal Voltage	4, 6 & 12 Volts
Design Life	5 Years
Operating Temperature	-20 ˚C to 50 ˚C (Recommended)
Grid alloy	Calcium / Tin lead alloy
Plates	Flat Pasted
Separator	Absorbant Glass Mat
Active material	High purity lead
Case and cover	ABS (VO on request)
Charge Voltage	Float 2.27 - 2.30 VPC @20 ˚C Cycliing 2.4 @20 ˚C Max. 2.4 VPC Max ripple 0.05C (A)
Electrolyte	Sulphuric acid Low impurity
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)
Terminal	Various types Epoxy sealed by extended mechanical paths
Torque setting	The recommended torque value for all screw types is 5-7 Nm
Cables	Insulated cables / connectors supplied on request.

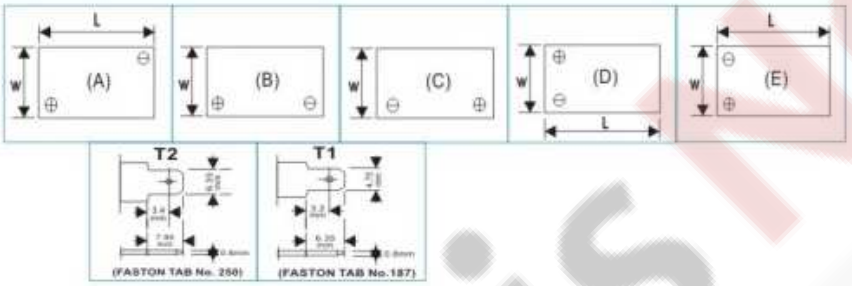
Haze Battery Company keenly encourages environmental awareness; PLEASE follow guidelines for the recycling /disposal of lead.

Terminal Options (left to right)

- hex5.jpg
- Automotive
- J Type
- Copper Flag
- J Type Adapter
- Insert

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

Terminal details



hex6.jpg

Terminal Covers

T1 to T2
T2 to T1
Insert to T1
Insert to T2

All are made from tin plated brass for good electrical properties and corrosion resistance.