

World Class Maintenance-free Batteries for Defense Vehicles



The capability of the battery to start an engine, in any environment and condition, largely determines the readiness of the engine.

A battery which can withstand the rigorous terrain & extreme climatic conditions and can provide assured starting capability will provide the much needed relief to the personnel in-charge of the vehicle.

HBL Pure lead-tin Maintenance-free Valve Regulated Lead Acid (VRLA) range of monobloc batteries are especially suited for applications requiring reliable starting in all weather conditions.

These batteries employ the Thin Plate, Pure lead-tin Technology for high performance.

HBL has also developed chargers that provide for automatic temperature compensation and ensure complete charging at all temperatures in the operating range

Benefits

- Excellent starting capability: very high peak currents
- Fast-charge capability: at any temperature using HBL's chargers
- More starting cycles: long life
- Excellent low temperature operation: upto -40°C
- Delivered fully charged , ready-to use: no commissioning at site
- Shock and Vibration resistant: ideal for rough terrains
- Flame Retardant Plastic containers & covers: safety in vehicle
- Maintenance-free, non-spillable: lesser hassles

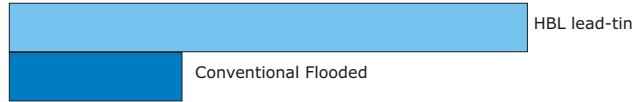
Applications

These batteries are suitable for use on Missile launcher vehicles, heavy duty trucks, troop carriers like :

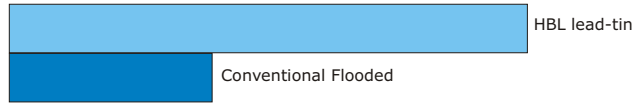
- Tatra
- Kraz
- Stallion

Performance

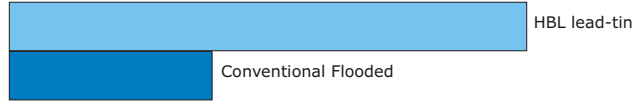
Cold Cranking Amperes (CCA)
-18°C, 7.2V
300% better



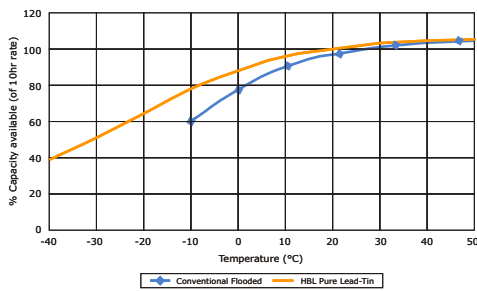
Marine Cranking Amperes (MCA)
0°C, 7.2V
250% better



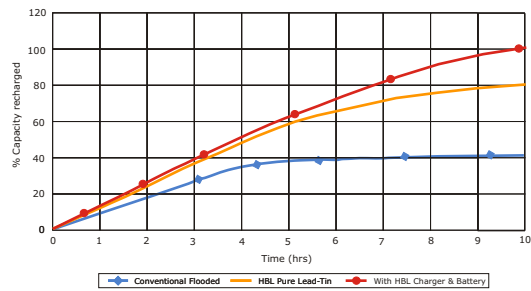
Hot Cranking Amperes (HCA)
27°C, 7.2V
250% better



Performance at different temperatures



Low Temperature (-20°C) Charge Acceptance



HBL 12V Monoblocs & equivalent conventional batteries

Model	Capacity (Ah)	Dimensions (mm)			Approx.Wt. (Kgs)
		L	W	H	
PLT52-12	52 (75)	220 (300)	121 (171)	250 (220)	17 (21)
PLT83-12	83 (95)	286 (405)	268 (175)	182 (240)	31 (32)
PLT160-12	160 (180)	525 (510)	220 (275)	225 (240)	48 (52)

Note: Values given in brackets are of the typical equivalent battery used.

Capacity @ 20hr rate to 1.75 Vpc at 25°C



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