TECHNICAL DATA SHEET

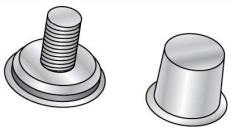
L16H-HD

Applications

CYCLIC SOLAR MARINE

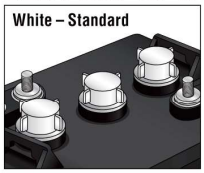
AVAILABLE TERMINAL STYLES:

Standard



VENT CAP OPTIONS:

White – Standard



Spin Vent

SPW Manifold Vent

PHYSICAL SPECIFICATIONS

BCI Group Size	Model Description	Nominal Voltage	Length		Width		Container Height		Terminal Height		Weight		Cover & Container Material	Case to Cover Seal Method
			in	mm	in	mm	in	mm	in	mm	lbs	kgs		
903	L16H-HD	6	12.38	314	7.19	183	15.29	388	16.13	410	115	52.2	Polypropylene Plastic	Heat Seal

ELECTRICAL SPECIFICATIONS

Ampere Hour Capacity (Ah)							Discharge Capacity Minutes					KWH (kWh)	Internal Resistance
100 Hr	72 Hr	48 Hr	20 Hr	10 Hr	5 Hr	2 Hr	100A	75A	50A	25A	10A	100 Hr	80°F / 27°C
435	415	403	390	325	310	235	148	215	347	790	2341	2.610	7.6mΩ

CHARGING INSTRUCTIONS

We specifie the following standard battery charge profile for the L16H-HD deep cycle battery when used in an electric vehicle service:

Phase 1: Constant Current (I1) I1 = highest amperage available < 90 amps

Phase 1: Constant Current (I1)I1 = minimum amperage available > 40 amps

Normal transition to Phase 2 at 2.37 Volts Per Cell.

Safety transition to END OF CHARGE of dV / dt <0V / 1 hr, dt = 1 hr. (NEGATIVE SLOPE).

Timeout for Phase 1 = 10 hours.

Phase 2: Constant Voltage (U2)U2 = 2.37 VPC

Normal Transition to Phase 3 at I2 = 12.0 amps or approximate. Safety transition to END OF CHARGE of I dI/dt I < 0.4 amp / 1 hr, dt = 1 hr.

Phase 3: Constant Current (I3) I3 = 12.0 amps or approximate. Normal transition to END OF CHARGE at 115 - 118% of AH returned.

Timeout for charging phases 1 - 3 at 16 hours.

Temperature compensation coefficient = +/- 3 mV / °C.

Recommended Equalization Charge: Every seven (7) days. 4 additional hours at normal finish rate of 12.0 amps for 4 hours.

Safety transition to END OF CHARGE at maximum voltage of 2.7 VPC.