



Battery Name and Model Number	Nano -HD SL 12AH (Model# NSL-12AH)
Specifications	Ratings / Comments
Resting Voltage (Charge Voltage Dependent)	13.1V-13.4V Temperature & State of Charge (SOC) Dependent
Float/Maintenance Charging Voltage	14.2V
Max Charging Voltage	14.8V
Minimum Charging Voltage	13.6V
Capacity (Ah)	12
Capacity (Pb Eq)	48
Cell Chemistry	LifePo4
Cell Life Cycles	2000 80% Depth of Discharge (DOD)
Cracking Amps (CA)	1,000
Cold Cracking Amps (CCA)	750
Nominal Operating Temperature Range	Up to 140F
Terminal Bolt Size	M6-100
Terminal Orientation	Positive Left
Balance Board Installed	Yes
Battery Management System Installed (BMS)	Yes
Performance	Ratings / Comments
RMS Wattage (Alternator size dependent)	2,500W-3,000W 14.8V Input Voltage
Max Burst Wattage (Alternator size dependent)	3,500W 14.8V Input Voltage
RMS Amperage Output (Stand Alone for 30 seconds)	200 Starting at 14.8V
Max Burst Amperage Output (Stand alone for 10 seconds)	250 Starting at 14.8V
Recommended Charging/Input Current	75A
Maximum Charging/Input Current	100A BMS Input limit is 100A. Higher input amperage can cause the BMS to fail
Measurements	Measurements
Overall Length	7"
Overall Width	3"
Overall Height	6.5"
Overall Height (Without Terminals)	6.5"
Weight	4.11 Lbs.
BCI Battery Group Model	20