

# 75AH DEEP CYCLE LFP BATTERY

## DCS-12V-75AH



ELECTRICAL SPECIFICATIONS		PHYSICAL SPECIFICATIONS	
Nominal Voltage	12.8V	Enclosure Material	ABS Plastic
Nominal Capacity	75Ah	Dimensions (L x W x H)	10.236" x 6.653" x 6.889"
Self Discharge (Storage)	≤ 3% per Month	Weight	18.9 lbs
Parallel Connection	Max 10	Terminal Type	Top Mount Steel/Copper M8 x 1.25
Series Connection	No	Terminal Configuration	LHP or RHP
CHARGE SPECIFICATIONS @ +77F (± 5F)		Terminal Torque	9 ft-lbs (12 Nm)
Maximum Continuous Charge Current	≤ 75A (1.0C)	Ingress Protection	IP54
Recommend Charge Current	≤ 50A (0.7C)	BMS SPECIFICATIONS	
Alternator/DC Charger Current Limit	≤ 50A	BMS Type	DCS 3S
Cycling Voltage	11.5 - 14.6V	BMS Low Voltage Cut Off (LVC)	11.5V
Charge Voltage	14.0 - 14.6V	BMS High Voltage Cut Off (HVC)	15.0V
Float Voltage	13.5V - 13.7V	Cell Balancing Type	Active Cell Balancing
DISCHARGE SPECIFICATIONS @ +77F (± 5F)		Data Communication	Bluetooth
Maximum Continuous Discharge Current	≤ 150A (2.0C)	TEMPERATURE SPECIFICATIONS	
Lithium Cranking Amps (LCA)	750 LCA	Charge Temperature Range	+25°F to +149°F
Recommended Low Voltage Disconnect	12.0V	Discharge Temperature Range	-13°F to +176°F
Discharge Under-Voltage Protection	11.5V	BMS High Temperature Cut-Off	230°F
CHEMISTRY SPECIFICATIONS		BMS Reconnect Temperature	176°F
Cell Type	Cylindrical Cells - 3.2V (15Ah)	HEATING ELEMENT SPECIFICATIONS	
Cell Chemistry	Lithium Ferro Phosphate Cells (LFP)	Heater Activation Temperature	N/A
Cell C-Rate	2C	Heater Shut Off Temperature	N/A
Cycle Performance	2500 Cycles @ 100% DOD*	Energy Consumption	N/A
*2500 Cycles @ 100% DOD ≤ 80% Capacity Retention @ 77F		COMPLIANCE SPECIFICATIONS	
WARRANTY		Certifications	CE, UL 1642, IEC 62133 & 62619
Warranty Period	3 Years	BMS Certification	MIL-STD-810G (Method 514.6)
		Shipping Classification	UN 38.3