

260AH DUAL LFP BATTERY SYSTEM

DCS-DBS-260AH



ELECTRICAL SPECIFICATIONS (*per battery)		PHYSICAL SPECIFICATIONS (*per battery)	
Nominal Voltage	12.8V	Enclosure Material	ABS Plastic
Nominal Capacity	130Ah*	Dimensions (L x W x H)	12.913" x 6.732" x 9.212"*
Self Discharge (Storage)	≤ 3% per Month	Weight	36.8 lbs / 37.9 lbs (with MPPT)
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) (*per battery)		Terminal Torque	9 ft-lbs (12 Nm)
Maximum Continuous Charge Current	≤ 120A (1.0C)*	Ingress Protection	IP54
Recommend Charge Current	≤100A (0.8C)*	BMS SPECIFICATIONS	
Alternator/DC Charger Current Limit	≤ 200A	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) (*per battery)		Data Communication	Bluetooth
Maximum Continuous Discharge Current	≤ 260A (2.0C)*	TEMPERATURE SPECIFICATIONS	
Lithium Cranking Amps (LCA)	1200 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	
MPPT SPECIFICATIONS		Certifications	CE, UL 1642, IEC 62133 & 62619
Rated Charge Current	20A	BMS Certification	MIL-STD-810G (Method 514.6)
Maximum PV Open Circuit Voltage	80V	Shipping Classification	UN 38.3
		WARRANTY	
		Warranty Period	3 Years