

FIREFLY OASIS MCF G31M

PREMIUM **DUAL-PURPOSE**
MARINE BATTERY



DUAL PURPOSE. ONE BATTERY.
STARTING POWER + AUXILIARY POWER

**START STRONG.
STAY POWERED.
COME HOME CONFIDENT.**



Built with advanced **Microcell™ Carbon Foam** technology, Firefly OASIS MCF G31M delivers the perfect balance of **starting power** and deep-cycle performance for today's marine systems. Engineered to handle harsh marine conditions, support **auxiliary** loads, and keep you powered—on the water and when you return.

KEY BENEFITS



DUAL-PURPOSE PERFORMANCE

Delivers strong **starting power** and reliable **auxiliary power** in one battery.



DEEP-CYCLE DURABILITY

Built for repeated cycling and demanding **marine** applications.



BUILT TO LAST

Resists sulfation, vibration, corrosion, and harsh marine conditions for **longer service life**.



REDUCE DOWNTIME

Faster recharge and better reliability help **keep your boats powered** and ready to go.



WORKS IN HOT & COLD CONDITIONS

Reliable performance in extreme temperatures.

IDEAL FOR



FISHING BOATS



CENTER CONSOLES



CRUISING BOATS



SAILBOATS



WORK BOATS



RECREATIONAL
MARINE SYSTEMS

**ONE BATTERY, TWO JOBS.
LONG-TERM RELIABILITY.**

Firefly OASIS MCF G31M – engineered for the real demands of Marine.
Start strong. Stay Powered. Come Home Confident.

12V G31M BATTERY

(VRLA AGM GEL)

OASIS™

Partial state of charge cycling Efficiency	Ampere-hour >97% & watt hour >90%
Nominal Voltage	12V
Maximum charge voltage	14.10V
Maximum charge current	0.5C Amps for continuous charge 1C Amps can be tolerated for Sporadic sessions.
Internal resistance	5.0 mΩ
Shelf life@25°C(77°F)	2 years
Self- Discharge	<2% per Month @ 25°C
CCA	630 Amps
Reserve Capacity	215 min

Temperature	Low	High
Operation	-20°C/-4°F	50°C/122°F
Storage	-30°C/-22°F	60°C/140°F

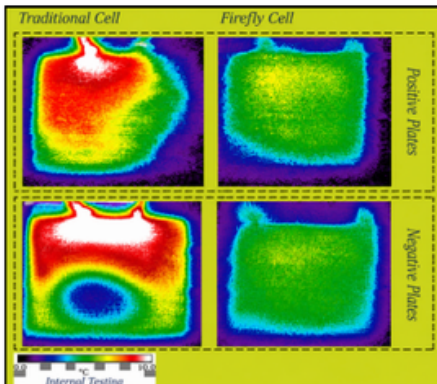
Weights & Dimensions	
Length	13.77in/350mm
Width	6.8in/171mm
Height	8.6in/218 mm
Weight	69.5lbs/31.5kgs
Volume	807Cu.in/12.3liters
Construction	
Terminal configuration	3/8 "-16 UNC
Case/Cover	ABS
Racks	Available upon request

Discharge Rates to 1.75V Per Cell*			
Hours	Amps	Ah	Kwh
0.25	155	38.8	0.47
1	63	63	0.76
3	26.7	80	0.96
5	17.4	87	1.04
10	10	100	1.2
20	5.25	105	1.26

Battery Life *	
DOD(%)	Cycles
30	7500-11250
50	3000-3500
65	1500-2000
80	850-1100
100	500-700
*All above are at 25°C/77°F	

International Compliance
ISO 9001:2015
IS 15549:2005
IEC 60896 -21/22 :2004
IEC 62040 - 1/2
IEC 61427
IEC 60095
IEC 61056
UL 1778 / 1973 / 1978

Charge Temperature Compensation					
Operating Temperature	°C	-20	25	40	55
	°F	-4	77	104	131
Absorption Charge Voltage	v	15.3	14.1	13.8	13.5



Infrared thermal images snapped at the end of a 5C (12 minute) discharge of both a Firefly 3D cell and a Traditional cell.

More uniform temperature distribution, as the Carbon Foam is thermally conductive, results in

- Uniform current density distribution.
- Higher overall active material utilization.
- Less localized positive grid corrosion.
- Less localized positive active material wear out.