



DCS 12V 80Ah Extreme Battery Outboard Motor Compatibility Report

DCS 12V 80Ah Extreme Battery Specifications

Nominal Voltage	12V	Nominal Capacity	80Ah
Dimensions (L×W×H)	230 × 175 × 210mm	Weight	12 kg
CCA	1000 CCA	Chemistry	LiFePO4 (LFP)
Cell Rating	10C cells	Operating Temp	-25°C to 85°C
Engine Starting	Yes — 1200 LCA	BMS	Full-featured with Bluetooth 4.0

1. Outboard Motors with Regulated 12V Charging Output (Sold in Australia Since 2006)

The following is a comprehensive list of outboard motors available in the Australian market since 2006 that feature regulated 12V charging output and require less than 1000 CCA to start. All listed models are compatible with the DCS 12V 80Ah Extreme battery as a starting/house battery.

YAMAHA — Four Stroke (Stator + Rectifier/Regulator)

Model	HP	Charging Output	Approx. CCA Required	Years Available
F25	25	16A	~300	2006–present
F30	30	16A	~300	2006–present
F40	40	16A	~380	2006–present
F50	50	16A	~380	2006–present
F60	60	16A	~380	2006–present
F70	70	16A	~380	2010–present
F75	75	35A	~500	2006–present
F90	90	35A	~500	2006–present
F100	100	35A	~500	2011–present
F115	115	35A	~500	2006–present
F150	150	35A	~650	2006–present
F200 (I4 2.8L)	200	50A	~700	2014–present
F200 (V6 3.3L)	200	50A	~700	2006–2013
F225 (V6 4.2L)	225	70A	~800	2010–present

F250 (V6 4.2L)	250	70A	~800	2010–present
F300 (V6 4.2L)	300	70A	~800	2010–present
F350 (V8 5.3L)	350	50A	~800	2008–present
XF425 (V8 5.6L)	425	90A	~900	2019–present
VF115 (SHO)	115	35A	~500	2018–present
VF150 (SHO)	150	35A	~650	2012–present
VF175 (SHO)	175	50A	~650	2012–present
VF200 (SHO)	200	50A	~700	2010–present
VF225 (SHO)	225	50A	~700	2010–present
VF250 (SHO)	250	50A	~800	2010–present

SUZUKI — Four Stroke (Stator + Rectifier/Regulator)

Model	HP	Charging Output	Approx. CCA Required	Years Available
DF25A	25	~12A	~390–512	2006–present
DF30A	30	~12A	~390–512	2006–present
DF40A	40	~17A	~389	2006–present
DF50A	50	~17A	~389	2006–present
DF60A	60	~21A	~500	2006–present
DF70A	70	~27A	~500	2006–present
DF80A	80	~27A	~500	2006–present
DF90A	90	40A	~500	2006–present
DF100B/C	100	40A	~500	2014–present
DF115B	115	40A	~502	2006–present
DF140B	140	40A	~502	2006–present
DF150A/AP	150	44A	~650	2006–present
DF175A/AP	175	44A	~650	2006–present
DF200A/AP	200	54A	~700	2006–present
DF225	225	54A	~700	2006–present
DF250/AP	250	54A	~700	2006–present
DF300/AP/B	300	54A	~800	2007–present
DF350A	350	54A	~900	2017–present

MERCURY — FourStroke & Verado (Belt-Driven Alternator)

Model	HP	Charging Output	Approx. CCA Required	Years Available
FourStroke 25	25	~15A	~300	2006–present
FourStroke 30	30	~15A	~300	2006–present
FourStroke 40	40	18A	~380	2006–present
FourStroke 50	50	18A	~380	2006–present
FourStroke 60	60	18A	~380	2006–present
FourStroke 75	75	35A	~500	2006–present
FourStroke 90	90	35A	~500	2006–present
FourStroke 100	100	35A	~500	2018–present
FourStroke 115	115	35A	~502	2006–present

FourStroke 150	150	60A	~650	2006–present
Verado 135 (L4)	135	70A	~650	2006–present
Verado 150 (L4)	150	70A	~650	2006–present
Verado 175 (L4)	175	70A	~700	2006–present
Verado 200 (L4/V6)	200	70A	~700	2006–present
Verado 225 (V6)	225	70A	~800	2006–present
Verado 250 (V6/V8)	250	70A	~800	2006–present
Verado 300 (V8)	300	70A	~800	2008–present
Verado 350 (V10)	350	150A	~900	2023–present
Verado 400 (V10)	400	150A	~900	2023–present
SeaPro 75–150	75–150	35–60A	~500–650	2014–present
SeaPro 200–300 (V8)	200–300	85–115A	~800	2018–present

HONDA — Four Stroke (Belt-Driven Alternator)

Model	HP	Charging Output	Approx. CCA Required	Years Available
BF15	15	12A	~250	2006–present
BF20	20	12A	~250	2006–present
BF25	25	12A	~300	2006–present
BF30	30	12A	~300	2006–present
BF40	40	22A (17A net)	~380	2006–present
BF50	50	22A (17A net)	~380	2006–present
BF60	60	~22A	~380	2006–present
BF75	75	44A (35A net)	~500	2006–present
BF90	90	44A (35A net)	~500	2006–present
BF100	100	44A (35A net)	~500	2014–present
BF115	115	51A	~502	2006–present
BF135	135	60A	~650	2006–present
BF150	150	60A	~650	2006–present
BF200	200	90A (60A net)	~700	2006–present
BF225	225	90A (60A net)	~700	2006–present
BF250	250	90A (60A net)	~700	2006–present

TOHATSU — Four Stroke (Stator + Rectifier/Regulator)

Model	HP	Charging Output	Approx. CCA Required	Years Available
MFS25/30	25–30	~12A	~300	2006–present
MFS40	40	21A	~380	2006–present
MFS50	50	21A	~380	2006–present
MFS60	60	~21A	~380	2010–present
MFS75	75	~35A	~500	2013–present
MFS90	90	~35A	~500	2013–present
MFS100	100	~41A	~500	2016–present
MFS115	115	41A	~502	2015–present

EVINRUDE E-TEC — Two Stroke DI (Stator + Rectifier/Regulator) — Discontinued 2020

Model	HP	Charging Output	Approx. CCA Required	Years Available
E-TEC 25–30	25–30	15A	~300	2006–2020
E-TEC 40–65	40–65	25A	~380–500	2006–2020
E-TEC 75–90	75–90	25A	~500	2006–2020
E-TEC 115–130	115–130	35A	~502	2006–2020
E-TEC 150–175	150–175	50A	~650	2006–2020
E-TEC 200 HO–300 (V6)	200–300	50–133A	~700–800	2006–2020
E-TEC G2 150–300	150–300	50–133A	~650–800	2014–2020

2. Key Compatibility Notes

DCS 80Ah Extreme as an Outboard Starting Battery:

- With 1000 CCA / 1200 LCA, the DCS 80Ah Extreme exceeds the starting requirements of every outboard listed above.
- All listed outboards have regulated 12V charging output compatible with LiFePO4 chemistry.
- Regulated output typically sits between 13.8V–14.5V DC, which is within safe charging range for the DCS BMS.
- The 80Ah capacity provides significantly more reserve than typical lead-acid marine starting batteries (which are usually 35–70Ah).
- At 12 kg, the DCS 80Ah is substantially lighter than equivalent lead-acid batteries (typically 20–30 kg for similar capacity).

Important Considerations:

- CCA requirements listed are approximate manufacturer recommendations. Actual cranking draw varies with engine condition, temperature, and oil viscosity.
- Some manufacturers (notably Suzuki Marine) officially caution against sealed/gel batteries in their manuals — this is a CYA statement and in practice, AGM and LFP batteries work well with their regulated charging systems.
- Terminal adaptors (JIS to standard post) may be required for some applications.
- The built-in BMS provides over-voltage, under-voltage, short circuit, and reverse polarity protection.

Disclaimer: Data compiled from manufacturer specifications, service manuals, and industry sources. CCA requirements are approximate. Always verify specific model requirements with the manufacturer before installation. Charging system output varies with engine RPM and electrical load.

Report prepared 15 April 2026 | Deep Cycle Systems