PRL-12

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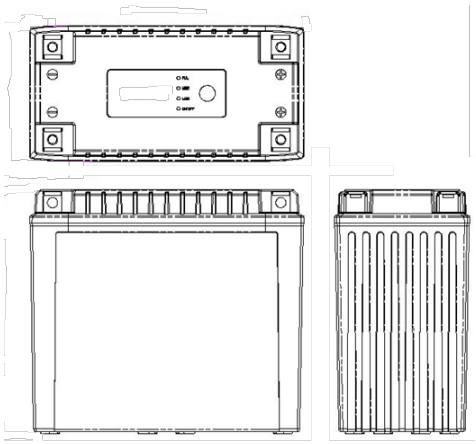
Product Data Sheet

Issued By: R&J Batteries Pty Ltd

Technical Information

Predator Raptor is one of the most advanced lithium Motorcycle & Powersport starting batteries on the planet! The Raptor series feature an integrated BMS which actively protects the battery if the voltage, current or temperature move outside the normal operating limits. In intelligent mode, the battery will hibernate when the selected criteria are met (set using Bluetooth App) or if the battery reaches its discharge limit, reserving enough power to start your engine when required.

The Predator Raptor series feature newly developed *Shake to Wake* technology, which enables the user to remotely wake up a hibernating battery using movement. The HyperFlex Fitment System uses quad terminals and EVA spacers to enable each battery to replace a range of sizes.



Features & Benefits

- Higher Cranking Power
- Safe & Stable Lithium Iron Phosphate
- Fully Integrated BMS with Bluetooth App
- Auto Hibernate
- Shake to Wake technology
- HyperFlex Fitment System
- Up to 3 times the cycle life of Lead Acid

Replaces

MB18U, MBTX20U, GYZ20L, GYZ20H, MX20-3
MX16-3, MX16-4 (with 20mm bottom spacer)
12N16-3A, 12N16-3B, 12N16-4A, 12N16-4B (with 12mm rear spacer)
YB16CL-B (with 20mm bottom & 12mm rear spacer

Technical Specifications

Battery Type	Lithium Iron Phosphate (LFP / $LiFePO_4$), Starting	**Case Size (LxWxH)**	174 x 86 x 155mm (174 high & 98 wide with spacers)
Nominal Voltage	12.8V	**Case Material / Colour**	ABS / Black
Capacity	12Ah / 144Wh	**Assembly Layout**	Quad Terminals
Rated CCA	360A	**Operating Temperature**	0 to 55°C (charge) -20 to 60°C (discharge)
Max. Discharge Current (<10s)	540A (45C)	**IP Rating**	IP65
Max. Continuous Discharge Current	120A	**BMS Protection**	Temperature, Voltage & Current
Nominal Charge Voltage	14.4 ±0.2V	**Communication**	Bluetooth (Predator Raptor App)
Std. / Max. Charge Current	2.4A (0.2C) / 18A (1.5C)	**Nominal Weight**	1.85kg

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