

# Technical Specifications

## OUTBOARD MOTOR 50HP

### PRODUCT

The ACEL IE 50 outboard motor stands out for its exceptional powertrain efficiency of 95.8%, delivering robust performance with a 32kWh battery pack while remaining 20% lighter than conventional motors. This 50HP electric outboard is engineered for instantaneous acceleration, minimal maintenance, and making it both powerful and user-friendly.

### SPECIFICATION DATA

Total Weight	118kg / 276lb
IP Protective Class	IP67
Size of a Single Battery Pack (L × W × H)	750mm × 422mm × 1481mm 29.5 in × 16.6 in × 58.3 in
Motor Type	DC permanent magnet synchronous motor BLDC
Motor Operating Voltage	DC336V
Rated Power of Motor	32KW,@3396rpm
Rated Torque of Motor	90Nm
Peak Power of the Motor	60KW,@30S
Peak Motor Torque	220Nm
Motor Insulation Grade	≥H level
Battery Materials	Lithium Iron Phosphate
Battery Module Configuration	1 BCM + 2 Lithium Battery Packs
Size of a Single Battery Pack	870mm × 515mm × 230mm 34.3 in × 20.3 in × 9.1 in
Battery Capacity	35.83 kWh

PRODUCT NAME: IE 50

