TECHNICAL INFORMATION

SPECIFICATION TABLE KEY

Battery measurements (L x W x H) are taken at the extremities of the battery including hold downs and handles. Box height is to the upper mounting surface and total box height includes posts, caps or highest extremity.

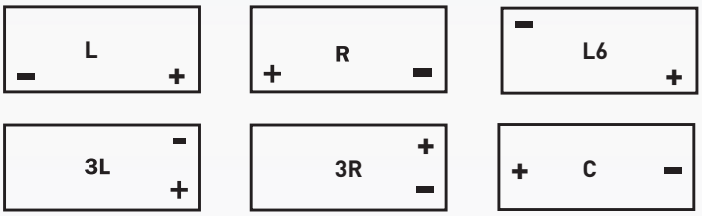
Bottom hold down (BHD)

B0	No hold down
B1	2 bottom hold down 10.5mm high on long sides
B3	4 bottom hold down 10.5mm high on all four sides
B4	2 bottom hold down 19mm high on long sides
B3/B4	B4 bottom hold down available with adapter on long sides
B7	4 bottom hold down 9.7mm high on all four sides, long sides extend 6mm either side.

Abbreviations

A/Hrs	Ampere Hours (20 Hr Rate unless otherwise stated)
CCA	Cold Cranking Amps
EN	European Norm
D/C	Deep Cycle
MCA	Marine Cranking Amps
HCA	Hot Cranking Amps
PHCA	Pulse (5 sec) Hot Cranking Amps
Res Cap -R/C	Reserve Capacity

Battery Assemblies
Check for correct polarity when fitting a battery.



STD
Standard Post

PP
Pencil Post

D/F
Dual Fit Terminal

LUG
Lug Terminal

U/T
Universal Terminal

SOCKET
Socket Terminal

D/T
Dual Terminal

SIDE
Side Terminal

SIDE/STD
Side Terminal & Standard Post

WHAT DO THE RATING & SPECIFICATIONS SIGNIFY?

CCA (Cold Cranking Amps)
Internationally recognised SAE Cold Cranking Performance test. CCA Rating represents the number of amps that a new fully charged battery at - 18°C can deliver for 30 seconds while maintaining a voltage of 1.2V per cell or more. NOTE: this is the measurement of a batteries ability to start engines.

EN (European Norm)
Tested at -18 Degrees for 10 seconds while maintaining voltage equals or greater to 7.5V. Additionally, after a rest of 10 seconds the battery is subject to another test to maintain a voltage greater or equal to 6.0V for 90 seconds at a current 60% of the initial test. EN ratings will always show slightly lower than CCA rating.

A/Hrs (Ampere Hours)
A unit of capacity that is calculated by multiplying the current in amps that the battery can deliver for 20 hours to 10.5 volts for a 12 volt battery.

MCA (Marine Cranking Amps) & CA (Cranking Amps)
Internationally recognised SAE Marine Cranking Performance test. MCA or CA Rating represents the number of amps that a new fully charged battery at 0°C can deliver for 30 seconds while maintaining a voltage of 1.2V per cell or more. NOTE: This is the measurement of a batteries ability to start engines in a marine environment.

Res Cap (Reserve Capacity)
This rating is the time in minutes that a new fully charged battery can supply a current of 25 Amps and maintain a terminal voltage above 10.5v for a 12v battery and 5.25v for a 6v battery. NOTE: This represents the approximate time that a vehicle will run with a night time electrical load should its engine charging system fail.

WARRANTY

The batteries detailed in this catalogue are guaranteed against faulty workmanship or materials on the part of the battery. This warranty commences from the date of sale to the end user and is identified on the top of the individual battery block by a month and year code. This used A to L for the month (January A, February B, etc) and a number depicting the year. The length of the warranty is dependent upon the product type and is detailed on the top of each battery with a warranty label. The warranty is void through misuse, misapplication, abuse or any other factors which negatively affect the battery life.
The warranty is provided by HCB Technologies Limited, New Zealand.