

## Governing Standards

HBL's VRPP batteries conform to the international IEC 60623 and 62259 standards.

## Charging

Controlling the charge current to the VRPP batteries is essential to minimizing water loss throughout the life of the battery, thereby extending the topping-up interval. It is important, therefore, to adhere to the recommended charge conditions.

## Recommended Charge Parameters

### *Two-level charging*

Current limit:  $0.1C_5A$   
Float: 1.42 V/cell  
Equalize: 1.45 V/cell

### *Single-level charging*

If only single-level charging is available, the recommended charging voltage should be set between 1.45 and 1.50 V/cell. Adequate recharge time is required in this case.

## Charge Acceptance

The performance data shown on the following pages are given for fully-charged cells after prolonged (several months) float charging. The graph shows the capacity available during the first 30 hours when using the recommended charge voltages of 1.42V and 1.45V.

