

Pocket type alkaline rechargeable battery  
**Low discharge rate cells**

**KPL200**



Interberg Batteries are manufactured in basic range to match specific operating conditions and providing different performance characteristics.

Interberg Batteries will combine maximum performance with minimum maintenance and optimum life.

The nickel cadmium batteries use relatively expensive material they are carefully designed to obtain maximum utilization from them.

Thus the nickel cadmium batteries may be more expensive in first cost than lead acid batteries and considerably less expensive in the long time.

**Specification**

|                     |              |      |                   |
|---------------------|--------------|------|-------------------|
| NOMINAL VOLTAGE     |              |      | 1.2V              |
| NOMINAL CAPACITY    |              |      | 200Ah/5HR         |
| DIMENSIONS          | WIDTH        | ±2mm | 164mm             |
|                     | LENGTH       | ±2mm | 106mm             |
|                     | HEIGHT       | ±2mm | 300mm             |
|                     | TOTAL HEIGHT | ±5mm | 345mm             |
| WEIGHT APPROX.      |              |      | 11.0Kg            |
| HOUSING MATERIAL    |              |      | MBS (or PP) RESIN |
| TYPE OF ELECTROLYTE |              |      | KOH               |

**Characteristics**

|                                  |          |                                  |                                             |         |                      |
|----------------------------------|----------|----------------------------------|---------------------------------------------|---------|----------------------|
| CAPACITY 20°C (68°F)             | 10HR 20A | DCHG. CUT OFF 1.0V               |                                             |         | 220Ah                |
|                                  | 5HR 40A  | DCHG. CUT OFF 1.0V               |                                             |         | 200Ah                |
|                                  | 2HR 100A | DCHG. CUT OFF 0.9V               |                                             |         | 90Ah                 |
| INTERNAL RESISTANCE              |          | FULL CHARGED BATTERY 20°C (68°F) |                                             |         | Approx. 1.5-2.4m Ω   |
| CAPACITY AFFECTED BY TEMPERATURE |          | 40°C (104°F)                     | 108%(5HR.DCHG. 216Ah)                       |         |                      |
|                                  |          | 20°C (68°F)                      | 100%(5HR.DCHG. 200Ah)                       |         |                      |
|                                  |          | 0°C (32°F)                       | 85%(5HR.DCHG. 170Ah)                        |         |                      |
|                                  |          | -20°C (-4°F)                     | 45%(5HR.DCHG. 90Ah)                         |         |                      |
| SELF-DISCHARGE 20°C (68°F)       |          | 1MONTH                           | 97%                                         | 6MONTH  | 85%                  |
|                                  |          | 2MONTH                           | 91%                                         | 12MONTH | 70%                  |
| MAX. DCHG. CURRENT               |          | 800A                             |                                             |         |                      |
| CHARGE                           | CYCLE    | VOLTAGE                          | CONST. VOLTAGE CHARGE 1.45~1.5V 20°C (68°F) |         |                      |
|                                  |          | CURRENT                          | INITIAL CHR.G. AMPS. LESS THAN 40A          |         |                      |
|                                  | FLOAT    | VOLTAGE                          | CONST. VOLTAGE CHARGE 1.45~1.5V             |         |                      |
|                                  |          | CURRENT                          | INITIAL CHR.G. AMPS. LESS THAN 40A          |         |                      |
| OPERATING. RANGE                 |          | CHRG.                            | -20~40°C (-4~104°F)                         | DCHG.   | -40~60°C (-40~140°F) |
| LIFE EXPECTANCY                  |          | CYCLE                            | 100% DCHG.                                  |         | 800 CYCLES           |
|                                  |          |                                  | 50% DCHG.                                   |         | 1200 CYCLES          |
|                                  |          |                                  | 30% DCHG.                                   |         | 2000 CYCLES          |
|                                  |          | FLOAT                            | 15-20 YEARS                                 |         |                      |