

KILOVANT

# AGV POWER BATTERY SERIES

AGV POWER BATTERY



Golf Carts & Park Vehicles

AGVs

Aerial Work Platforms

Unmanned Forklifts

Industrial Cleaning Equipment

## Datasheet

| Specifications                                                                                                                                                       | RPPB-APM1<br>(36V)                | RPPB-APM1<br>(51.2V) | RPPB-APM2<br>(51.2V) | RPPB-APM2<br>(72V) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------|----------------------|--------------------|
| COMPATIBLE APPLICATIONS : GOLF CARTS & PARK VEHICLES · AGVS & AUTOMATED GUIDED VEHICLES · AERIAL WORK PLATFORMS · UNMANNED FORKLIFTS · INDUSTRIAL CLEANING EQUIPMENT |                                   |                      |                      |                    |
| Rated Voltage                                                                                                                                                        | 36V                               | 51.2V                | 51.2V                | 72V                |
| Rated Capacity                                                                                                                                                       | 105Ah                             | 105Ah                | 150Ah                | 105Ah              |
| Rated Energy                                                                                                                                                         | 3.78kWh                           | 5.38kWh              | 7.68kWh              | 7.56kWh            |
| Output Voltage Range                                                                                                                                                 | 33.6V~43.2V                       | 44.8V~57.6V          | 44.8V~57.6V          | 67.2V~86.4V        |
| Charging Voltage                                                                                                                                                     | 41.4~43.2V                        | 44.8~57.6V           | 55.2~57.6V           | 84~85.2V           |
| Cut-off Voltage                                                                                                                                                      | 33.6V                             | 44.8V                | 43.2V                | 64.8V              |
| Max. Charging Current                                                                                                                                                | 100A                              | 100A                 | 50A                  | 100A               |
| Recommended Charging Current                                                                                                                                         | 25A                               | 25A                  | 25A                  | 25A                |
| Max. Discharging Current                                                                                                                                             | 200A                              | 150A                 | 100A                 | 200A               |
| Efficiency                                                                                                                                                           | >98%                              |                      |                      |                    |
| Dimension L*W*H (mm)                                                                                                                                                 | 400*335*255                       | 375*310*285          | 560*355*250          | 650*335*245        |
| Weight (kg)                                                                                                                                                          | ≈36.5                             | ≈41.5                | ≈60.5                | ≈64                |
| Humidity                                                                                                                                                             | 5%~95% Relative humidity          |                      |                      |                    |
| Charging Temperature                                                                                                                                                 | -20°C~50°C                        |                      |                      |                    |
| Discharging Temperature                                                                                                                                              | -20°C~55°C                        |                      |                      |                    |
| Storage Temperature                                                                                                                                                  | -10°C~30°C                        |                      |                      |                    |
| Cycle Life                                                                                                                                                           | >3000 times (0.5C, @25°C, 80%DOD) |                      |                      |                    |
| Design Life                                                                                                                                                          | >10 years                         |                      |                      |                    |

\* If the ambient temperature is too high or too low, performance will be limited.

\* Under specific test conditions.

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