



Rechargeable Battery Packs

Description:

The construction of the Battery Pack is pressure sealed, allowing it to be charged and discharged in any position. Cylindrical spiral-wound plate design results in low internal impedance and the highest energy and power density of any lead-acid battery.

The sealed lead-acid cell offers superior performance with up to ten year life expectancy and true maintenance free characteristics. The Battery Pack permits faster charge and discharge rates and greater shelf life as compared to other types of batteries. In standby situations, Battery Packs exhibit low self-discharge rates, approximately 4 times less than sealed ni-cads, which render them ideal for long periods of standby usage.

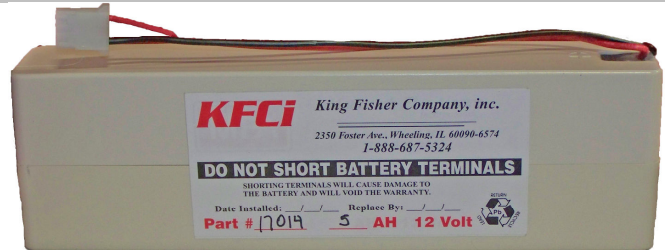
Other features of the Battery Packs are: Stable voltage over a wide temperature range. Long life in float/constant current charge applications because of high purity grids. No "memory effect" so important for long standby application.

Every Battery Pack is thoroughly tested to guarantee its full potential for maximum service. Each Battery Pack is then given a simulated load of approximately ten times the expected field condition. In addition, all Battery Packs are charged to full capacity prior to shipping.

Battery Recharging:

For proper battery recharging it is recommended that the 10-circuit battery charger Model KFCB-10M be used. The battery charger is specifically designed for recharging the BP1225 battery pack. These battery packs may be left on the 10-circuit battery charger indefinitely. The KFCB-10M can be factory modified to charge any of the Battery Packs.

Battery Packs in the maintenance mode will be kept at 100% state of charge as long as the battery is kept on the charger. Totally discharged batteries will normally be recharged to 100% state of charge within 48 hours.



BP1205



BP1216

Features:

- **Pressure Sealed Construction Which Allows The Battery To Be Charged And Discharged In Any Position**
- **Sealed Lead-Acid Cell Offers Superior Performance With Up To Ten Year Life Expectancy**
- **Exhibits Four Times Less Self-Discharge Rates Than Sealed Ni-Cad**
- **Stable Voltage Over A Wide Temperature Range**
- **Manufacture Tested To Guarantee Its Full Potential For Maximum Service**

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Specifications:

KFCi Batteries are available in SEVEN basic sizes and may be combined to form batteries of varying sizes and capabilities. Each cell is encased in a metal, can, electrically isolated to prevent accidental shorting, and incorporates a self-resealing safety valve which will vent under abusive overcharge conditions. Gold plated corrosion resistant connectors are shipped with each battery.

Product Number	BP12025	BP12025A	BP1205	BP1208	BP1216	BP1226	BP1242
Capacity Rating (10 hour rate)	2.5AH	2.5AH	5.0AH	8.0AH	16.0AH	26.0AH	42.0AH
Nominal Battery Voltage	12.0 V	12.0 V	12.0 V	12.0 V	12.0 V	12.0 V	12.0 V
Constant Voltage	14.3 V	14.3 V	14.3 V	14.3 V	14.3 V	14.3 V	14.3 V
Constant Current							
- High Rate	0125A	.250A	.250A	.250A	.250A	.250A	.250A
- Low Rate	.005A	.010A	.010A	.010A	.010A	.010A	.010A
Life Expectancy	4-8 Yrs	4-8 Yrs	4-8 Yrs	6-10 Yrs	8-12 Yrs	8-12 Yrs	8-12 Yrs
Dimensions	8.2x2.8x1.6	10.6x3.1x1.9	10.5x4.25x2	6.2x5.7x4.2	7.15x3.0x6.6	7.75x7x6.5	
Storage Temp Range (90% State of Charge at Start) -40deg C.5yrs, : 20deg C approx 2yrs : 60deg. C approx. 1 Mo.							
*Battery life is variable depending on physical abuse, number of discharge cycles, depth and duration of discharge, operating temperatures, etc.							

Ordering Information:

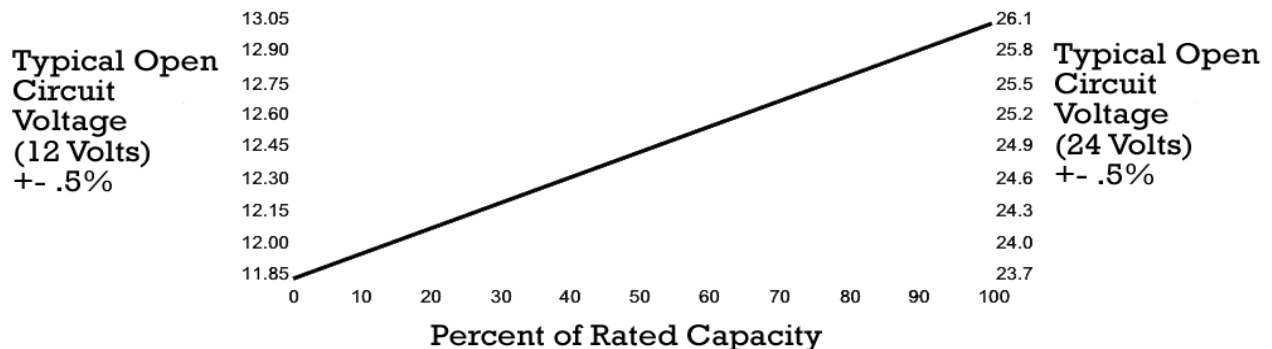
Part No.	Model No.	Description
17007	BP12025	Battery Pack, 12V, 2.5AH
17008	BP12025A	Battery Pack, 12V, 2.5AH (KF3 Transmitters Only)
17014	BP1205	Battery Pack, 12V, 5AH
17033	BP1208	Battery Pack, 12V, 8AH
17012-1	BP1216	Battery Pack, 12V, 16AH
17122	BP1226	Battery Pack, 12V, 26AH
17121	BP1242	Battery Pack, 12V, 42AH

Information Data Sheet

SBP Specification Data Sheet

STATE OF CHARGE:

This curve of open voltage vs. state of charge, is accurate within 20% of the rated capacity of the battery being measured if it has not been charged or discharged within the past 24 hours. The accuracy increases to 5% if the cell has not been charged or discharged within the past 5 days.



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