



Kingfisher Company, inc.

Rechargeable Battery Packs BPSLA



BP1205



BP1216

Description:

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

Other features of these 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" (important for long standby application).

All battery packs should be fully charged before being placed in service. Kingfisher Company inc., ships all batteries fully charged.

Features:

- Pressure Sealed Construction Allows The Battery To Be Charged And Discharged In Any Position
- Sealed Lead-Acid Gates Cell Offers Superior Performance With Up To Ten Year Life Expectancy
- Exhibits Four Times Lower Self-Discharge Rate Than Ni-Cad
- Stable Voltage Over A Wide Temperature Range

Battery Recharging:

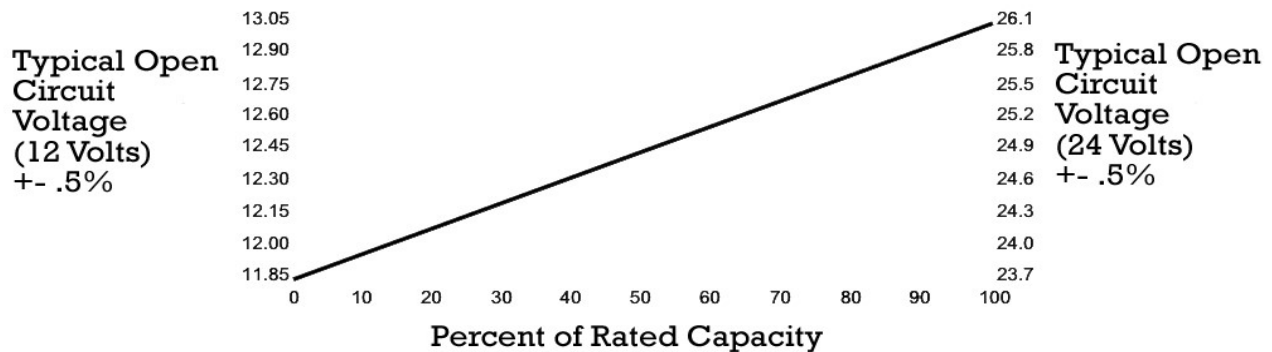
For proper battery recharging it is recommended that the 8-circuit battery charger, KFCB-8M, KF P/N #99028 be used. The battery charger is specifically designed for recharging the BP1225 battery pack. These battery packs may be left on the 10-circuit battery charger indefinitely. The KFCB-8M, KF P/N #99028, can be factory modified to charge any of the 8 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.

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.



Specifications:

KCi 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-sealing 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	13.8 V	13.8 V	13.8 V	13.8 V	13.8 V	13.8 V	13.8 V
Constant Current							
- High Rate	0.125A	0.125A	0.250A	0.400A	0.080A	1.250A	2.100A
- Low Rate	.005A	.005A	.010A	.016A	.032A	.052A	.084A
Life Expectancy *	5-10 Yrs	5-10 Yrs	5-10 Yrs	5-10 Yrs	7-12 Yrs	7-12 Yrs	7-12 Yrs
Dimensions	8.25x2.70 x1.50	6.92x4.25x 1.56	10.63x3.13 x1.90	10.50x4.13 x1.85	7.12x6.57x 2.99	6.60x5.00 x6.95	7.63x6.75 x6.38

Shelf Life: -40°C 5 Years, 20°C 2 Years, 60°C 1 Month

*Battery life is variable depending on physical abuse, number of discharge cycles, depth and duration of discharge, operating temperatures, etc.

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ORDERING INFORMATION

KCi #	Model #	Description
17007	BP12025	Battery Pack, 12V, 2.5AH
17014	BP1205	Battery Pack, 12V, 5AH
17033	BP1208	Battery Pack, 12V, 8AH
17012	BP1216	Battery Pack, 12V, 16AH
17122	BP1226	Battery Pack, 12V, 26AH
17121	BP1242	Battery Pack, 12V, 42AH
99028	KFCB-8M	Battery Charger with (8) Charging Cables, (2) Ring Terminal Adapter Cables, and (2) Disconnect Terminal Adapter Cables
17007-DTS		Specification Data Sheet

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions

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