



## **RESERVE POWER SOLUTIONS**

**POWERGY SUPPLIES A COMPLETE SELECTION OF FLOODED LEAD ACID, SEALED AG, & GEL VRLA, NICAD, & SPECIALTY BATTERIES FOR A VARIETY OF RESERVE, STATIONARY, CRITICAL, NETWORK & MOTIVE POWER APPLICATIONS.**

**SPACE SAVER SYSTEMS (2-VOLT)**

THE DEKA UNIGY II SPACESAVER IS A SEALED LEAD-ACID BATTERY SYSTEM THAT USES AVR (ABSORBED VALVE REGULATED) TECHNOLOGY AND IS CONSTRUCTED USING THE FINEST QUALITY MATERIALS AND STATE-OF-THE-ART MANUFACTURING TECHNIQUES AND ARE KNOWN FOR THEIR HIGH RELIABILITY AND SUPERIOR PERFORMANCE. THIS LINE OF BATTERIES UTILIZES A SMALLER FOOTPRINT TO SAVE SPACE WHILE PROVIDING OPTIMAL POWER. THE NEW REDUCTION IN SPACE ENABLES LESS RESTRICTION FOR GROUND AND VERTICAL SPACE CONFINEMENTS AND MEETS THE LATEST UBC 97 ZONE 4 SPECIFICATIONS, CERTIFIED UP TO 8 MODULES HIGH. ASSEMBLY IS QUICK AND EASY WITH A SIMPLIFIED, YET ADVANCED LAYOUT CONFIGURATION AND "TWO-WAY" POST DESIGN ALLOWING QUICK CONNECTOR ASSEMBLY AND OPTIMIZED CURRENT TRANSFER. THE DEKA UNIGY II LINE FEATURES TWO MODULE DESIGNS WITH A WIDE RANGE OF CAPACITIES AND SIZES TO FIT THE REQUIREMENTS OF RENEWABLE ENERGY APPLICATIONS. THESE MODULES ARE CONSTRUCTED USING THE FINEST QUALITY MATERIALS AND STATE-OF-THE-ART MANUFACTURING TECHNIQUES.

**DEKA UNIGY II INTERLOCK SYSTEM:** INTERLOCKING MODULES REQUIRE ONLY FRONT ACCESS BOLTS FOR MOUNTING, PROVIDING QUICK AND SAFE INSTALLATION. MODULES ARE COATED WITH ACID RESISTANT EPOXY POWDER PAINT. EACH MODULE HAS MOUNTING HOLES FOR GROUNDING OPTION. STANDARD ONE-PIECE BASE ENABLES IT TO BE USED AS ANCHORING TEMPLATE. ANCHORS CAN BE DRILLED AND INSTALLED WITH BASE IN PLACE. CERTIFIED TO UBC 97 ZONE 4 TOP OF BUILDING UP TO 8 MODULES HIGH.

**DEKA UNIGY II NON-INTERLOCK SYSTEM:** NON-INTERLOCK MODULES REQUIRE FRONT AND REAR ACCESS BOLTS FOR MOUNTING, PROVIDING EASY AND SAFE INSTALLATION. MODULES ARE COATED WITH ACID RESISTANT EPOXY POWDER PAINT. EACH MODULE HAS MOUNTING HOLES FOR GROUNDING OPTION. STANDARD TWO-PIECE BASE ENABLES ANCHORS TO BE DRILLED AND INSTALLED WITH BASE IN PLACE. CERTIFIED TO UBC 97 ZONE 2B TOP OF BUILDING UP TO 8 MODULES HIGH.

**CELL CONSTRUCTION:** LEAD PLATED COPPER POSTS WITH LARGE CONTACT AREA, POLYPROPYLENE COVER AND JAR (UL 94 V-0 OPTIONAL), PURE LEAD (99.2%) POSITIVE GRID ALLOY, TANK-FORMED PLATES (ALL CELLS SHIPPED AT 100% CAPACITY.), TEAR GUARD. ALL SEALS 100% AIR AND WATER TESTED. EPOX-Z POST. SEAL - TESTED TO 80°C (176°F). MICROCAT VENT. HOVOSORB II GLASS MAT SEPARATORS. COLLAPSIBLE BOTTOM BRIDGE



**APPLICATIONS/FEATURES**

- SYSTEM CONFIGURATIONS 24V/48V FOR TELECOMMUNICATIONS, 120V/240V/480V FOR UPS AND SWITCHGEAR CONTROL
- LOI MODEL (FLAME RETARDANT) AVAILABLE

## STATIONARY BATTERIES (6V & 12V)

POWERGY'S SEALED LEAD-ACID BATTERIES ARE AVAILABLE AS AVR (ABSORBED VALVE REGULATED) AND GVR (GEL VALVE REGULATED) TECHNOLOGY FOR VIRTUALLY ANY APPLICATION DEMAND. BOTH ARE UL RECOGNIZED COMPONENTS AND ARE MANUFACTURED WITH INDIVIDUALLY TANK-FORMED PLATES FOR OPTIMIZED UNIFORMITY OF CELL-TO-CELL VOLTAGES.

SOLAR SERIES OF BATTERIES IS DESIGNED TO OFFER RELIABLE, MAINTENANCE-FREE BACK-UP POWER FOR RENEWABLE ENERGY APPLICATIONS WHERE FREQUENT DEEP CYCLES ARE REQUIRED AND MINIMUM MAINTENANCE IS DESIRABLE



## APPLICATIONS/FEATURES

- 6 AND 12 VOLT BATTERIES
- HIGH LIFE RATE
- CAPACITIES FROM 1.6 TO 200 A/H
- UPS (HIGH RATE), TELECOM, ENERGY (SOLAR)
- CUSTOM JARS FOR SPECIAL APPLICATIONS
- TOP AND FRONT ACCESS
- FLAME ARRESTING, LOW PRESSURE, SELF-SEALING VALVES ARE 100% FACTORY TESTED
- BATTERY DESIGN AND CONSTRUCTION MEET UL RECOGNITION REQUIREMENTS



## LITHIUM BATTERIES (48V)

LITHIUM BATTERIES ARE DESIGNED TO PROVIDE OEMs AND OPERATORS WITH THE IDEAL COMBINATION OF HIGH PERFORMANCE, MAXIMUM RELIABILITY, LONG LIFE AND EFFICIENT OPERATION OVER A WIDE TEMPERATURE RANGE. THEY ALSO OFFER SAFE OPERATION AND LOW MAINTENANCE THROUGHOUT THEIR LIFE.



NUMEROUS SYSTEM INTEGRATION OPTIONS FACILITATING TEMPERATURE, VOLTAGE, CURRENT AND STATE-OF-THE-ART CHARGE MONITORING. ONE SINGLE BATTERY MANAGEMENT SYSTEM CAN MANAGE UP TO 48 BATTERIES IN DIFFERENT VOLTAGE CONFIGURATIONS. COMMUNICATION CAN BE ACHIEVED THROUGH CANbus, DIGITAL MANAGEMENT OR ANALOG I/O BATTERY-TO-BATTERY BALANCE CONTROL.

POWERGY PROVIDES LITHIUM TECHNOLOGY BATTERIES (BOTH LITHIUM PHOSPHATE AND LITHIUM ION) TO BE USED IN A WIDE ARRAY OF APPLICATIONS.

EXCELLENT PERFORMANCE FOR USE IN OUTDOOR APPLICATIONS WHERE REPETITIVE CYCLING AND HIGH/LOW TEMPERATURES ARE PRESENT.



## APPLICATIONS/FEATURES

- BTS-BASE TRANSCIEVER STATIONS
- OSP- WIRELINE IUTSIDE PLANTS
- ONU – OPTICAL NODE UNITS
- BSC – BASE STATION CONTROLLERS
- MSC – MOBILE SWITCHING CENTRES
- ANT – ACCESS NODE TERMINALS
- CENTRAL OFFICES
- WIDE OPERATING RANGE UP TO 70C
- VERY HIGH CHARGE EFFICIENCY >95%
- DEEP CYCLING CAPABILITY
- SAME LIFE AS TELECOM EQUIPMENT IT SERVES
- LOW TOTAL COST OF OWNERSHIP (TCO)
- COMPACT, LOW-WEIGHT PACKAGE
- ENVIRONMENTALLY-FRIENDLY MATERIALS



**POWERGY IS PROUD TO PARTICIPATE IN HELPING OUR ENVIRONMENT**

WE ARE A FEW BATTERY PROVIDERS IN THE COUNTRY THAT ACTUALLY  
RECYCLES LEAD-ACID BATTERIES.

MANY CLIENTS THAT REQUIRE BATTERY REPLACEMENT, HAVE NO MEANS OF  
RECYCLING DISCARDED BATTERIES.

WE DO JUST THAT AND NO EXTRA COST TO THE CLIENT.