

Total Solutions System

ENERGY STORAGE BATTERIES



WINNER[®]
BATTERY

WINNER is a superior quality product line representing the "Total Solutions System" for a wide range of battery applications. Product characteristics include complete series with high reliability, long life and modern design. The **WINNER "Solar Total Solution"** is built to specifically cover the needs of Renewable Energy Sources applications. It

includes series with all lead technologies, from Absorbent Glass Mat (AGM) Valve Regulated to Gel technology and the Flooded lead acid traditional reliability as well. All series are produced with high quality raw materials, have excellent durability under cyclic use conditions and successfully cover the energy needs of these high demand applications.

.....**AGM TECHNOLOGY**.....

NEPTUNE

- 2V AGM cells –up to 3000AH range- 1.070 cycles at 50%D.O.D
- Stationary Heavy Duty AGM rechargeable cells
 - Superior deep cycle performance characteristics
 - High Energy Density – minimum footprint
 - Eurobat 2015 classification "Very Long Life" 12+ years



.....**GEL TECHNOLOGY**.....

HELIOS OPzV

- 2/6/12V GEL OPzV cells and blocks –up to 3880AH range- 3000 cycles at 50% D.O.D
- Deep cycle OPzV series for Renewable Energy applications
 - Excellent performance in cyclic use and in P.S.O.C conditions
 - IEC 61427 compliance
 - Suitable for hot climate use
 - Modular and easy installation design
 - EUROBAT 2015 classification "Very Long Life" 12+ years



.....**GEL TECHNOLOGY**.....

HERCULES

- 2/12V GEL cells and blocks -up to 2000AH range- 1400 to 1800 cycles at 50% D.O.D
- Pure GEL VRLA technology
 - Anti explosion valve construction with low pressure design
 - Heavy Duty design -IEC 61427, DIN 43539-T5 compliance
 - High temperature tolerance (up to 55°C)
 - EUROBAT 2015 classification "Very Long Life" 12+ years
 - ABS UL 94 V0 container



.....**FLA TECHNOLOGY**.....

HELIOS OPzS

- 2/6/12V OPzS cells and blocks –up to 4630AH range- 3000 cycles at 50% D.O.D
- Deep cycle OPzS series for Renewable Energy applications
 - Excellent performance in cyclic use and in P.S.O.C conditions
 - IEC 61427 compliance
 - Minimum maintenance required
 - High temperature operation resistant



PROTEUS

- 2/6/12V AGM blocks and cells –up to 3000AH range- 850 cycles at 50% D.O.D
- Deep Cycle VRLA AGM rechargeable series
 - Excellent cyclic & anti-vibration performance
 - Optimum specific energy design with high purity materials
 - 100% recovery after over-discharging
 - Advanced deep cycle performance



AJAX

- 2/6/12V OPzS cells & blocks –up to 3000 AH range- 2.500 cycles at 50% D.O.D
- High endurance OPzS Heavy Duty series
 - Design floating service life of 18 years at 25°C
 - Superior high current discharge performance
 - Excellent deep cycle recovery
 - Specifications according to EN 60896-11, DIN 40736/40737



ZEUS

- 2/6/12V GEL cells & blocks –up to 3000 AH range- 2.500 cycles at 50% D.O.D
- OPzV VRLA Heavy Duty Gel series
 - Superior high current discharge performance
 - Better charge reception capability & high temperature performance
 - Designed for easy installation at any orientation
 - EUROBAT 2015 classification "Very Long Life" 12+ years
 - Specifications according to DIN 40742/40744, IEC 60896-21/22



MERCURY

- 2/6/12V GEL cells & blocks –up to 3000 AH range- 1100 cycles at 50% D.O.D
- High performance rechargeable GEL series
 - Superior characteristics of very low self-discharge
 - Heavy duty design – IEC 61427 compliance
 - Deep discharge recovery - ABS battery case
 - Designed service life: 10-12 years



SOLAR

- 6/8/12V batteries –80AH up 430AH range- up to 1500 cycles at 50% D.O.D
- Lead acid cycle resistant range
 - Semi traction with flat plate design
 - Deep cycle with U.S. type traction plate design
 - Deep cycle Traction with DIN type Tubular plate design
 - Plates of increased thickness with higher corrosion resistance



APOLLO

- 6/8/12 AGM series –up to 260AH range- 550 cycles at 50% D.O.D
- Sealed lead acid rechargeable AGM batteries
 - Designed for both cyclic and stand by use
 - High purity materials –robust construction
 - Expected service life >33AH: 10-12 years





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