

Helios Series 12Volts VRLA Haevy Duty cells

SIGA Helios GEL -DEEP CYCLE- // GERMANY // ZYKLENFEST



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IMPULSIVE
DYNAMIK

➤ General Features:

Grid: patent primary and secondary grid structure

Positive plate: Pasted flat type, high temperature and humidity formation technics

Separator: high porosity PE separator with glass fibre
good cyclic characteristics and lower resistance

Battery container: High strength ABS(UL94-HB) and UL94-V0 is optional

Post sealing: patent double layer post sealing

Safety Valve : narrow operate pressure range and equipped with
explosion-pro; of arrester and acid filter.

High specific energy density, Wide operation temperature range : -40 ~60
High sealed reaction efficiency : $\geq 98\%$, Low self-discharge rate : $\leq 2,5\%$ /month.

➤ Lifetime

Standby usage: > 12 years at 20°C

Cyclic usage : 75% DOD, > more than 650 cycles
 30% DOD, > more than 1900 cycles

➤ Applicable Standards

Q/321284KCC 01-2006

BS EN 61427 -2002

YD/T 1360-2005

IEC60896-21/22 DIN40742



OPzV Series 2Volts VRLA Haevy Duty Gel cells

SIGA HELIOS GEL -DEEP CYCLE- // GERMANY // ZYKLENFEST



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➤ General Features:

Positive Plates : Robust tubular plates consisting of Pb-Ca-Sn alloy, optimized for high corrosion resistance, offer an extreme high cycling expectancy

Negative Plates: Grid plate construction consisting of lead calcium alloy

Separator: Microporous and robust PVC-SiO₂ separator, for positive and negative plates and optimized for low internal resistance

Container: ABS (UL94-HB), Flammability resistance of UL94-V1 can be available upon request

Terminal Poles: Screw connection for easy and safe assembly and maintenance-free connection with excellent conductivity

Valves: Release gas in case of excess pressure and protects the cell against atmosphere, reasonable open and close valve pressure, high reliable on performance

➤ Lifetime

Standby usage: > 20 years at 20°C

Cyclic usage : 80% DOD, > more than 2000 cycles
 50% DOD, > more than 3500 cycles
 30% DOD, > more than 5500 cycles

➤ Applicable Standards

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