

GFX (OPzS) Series



Technical features:

- Designed service life of 22 years
- Supplement water period is 0.25-1 year (normal)
- 1-2 year (choose water content recombination valve)
- High cycle service life
- Wide operation temperature range
- Excellent deep cycle performance
- Superior low current discharge performance
- Better safety performance and reliability
- Modular and installation design
- Performance/price ratio is high and yearly operating cost is low

Product Structure Feature

- Plate: Positive plate adopts tubular type plate which can effectively prevent active substance falling. Positive plate frame is made of multi-component alloy. Multi-component alloy has especial crystal particle, better corrosion-proof performance and longer service life. The negative plate adopts pasted plate. Negative plate adopts pasted plate with radiated structure which enhances utilization ratio of active substance, high current discharge performance and charge acceptance performance.
- Cover and container: Cover and container made of AS with corrosion prevention, high strength and beautiful appearance.
- Separator: Battery equipped with combination separators of multi-hole corrugated plastic plate and micro-bore rubber separator can enhance dispersion speed of electrolyte, and greatly reduce internal resistance of battery and have larger electrolyte storage space.
- Terminal sealing: The terminals are made of copper cores with large diameter, so the terminals have large current-carrying capacity and low internal resistance. The unique double sealing structure of terminal post can effectively avoid leakage, to guarantee reliability of terminal post sealing.

- Acid-proof bolt: Acid-proof bolt with funnel-shaped has acid-mist filtration and flame-resistance function. Measure the density and temperature of electrolyte directly through acid-proof bolt.

Compliant standards

- DIN 40736
- BS EN 61427
- IEC60896-11
- CE
- ISO9001
- ISO14001
- GB/T 28001(OHSAS18001)

Main Application

- Backup power for telecom, mobile, network, railway
- Solar energy storage systems
- Wind power energy storage systems

- Power generation and distribution, nuclear plant standby power
- Airport and seaport signaling system
- UPS, medical facility, emergency lighting
- Other standby, cycling system

Product characteristics

- Recommended float charge voltage:2.23V/cell at 25°C (77 °F)
- Recommended boost charge voltage:2.35V/cell at 25°C (77 °F)
- Self-discharge : ≤ 10% (at 25°C , 90 days)
- Max charge current: 0.15C
- Wide operating temperature range: -20°C ~ 55°C
- Container material: AS
- Terminal type: M10

Shoto GFX series battery specification

Type	Rated voltage (V)	C ₁₀ rated capacity (Ah)	Dimensions(mm)				Weight(Kg)	
			Length	Width	Height	Total Height	Dry	With Electrolyte
GFX -200	2	200	103	206	354	409	13.5	18.0
GFX -250	2	250	124	206	354	409	16.0	21.0
GFX -300	2	300	145	206	354	409	19.0	25.0
GFX -350	2	350	124	206	470	525	21.5	28.0
GFX -420	2	420	145	206	470	525	25.5	33.5
GFX -490	2	490	166	206	470	525	29.0	39.0
GFX -600	2	600	145	206	645	700	34.0	46.0
GFX -800	2	800	191	210	645	700	48.0	64.0
GFX -1000	2	1000	233	210	645	700	57.0	77.0
GFX -1200	2	1200	275	210	645	700	68.0	92.0
GFX -1500	2	1500	275	210	795	850	82.0	112.0
GFX -2000	2	2000	399	214	772	827	110.0	150.0
GFX -2500	2	2500	487	212	772	827	140.0	190.0
GFX -3000	2	3000	576	212	772	827	163.0	225.0