

# ICAL<sup>®</sup>

## OPzV BATTERY



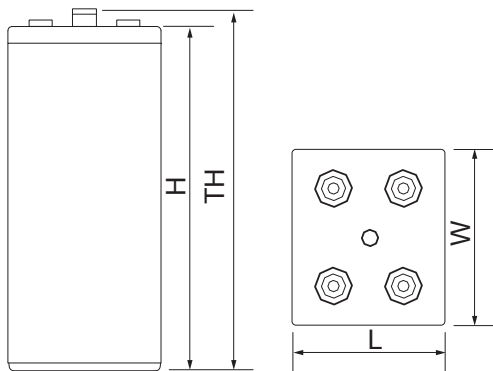
### APPLICATION

1. Telecommunication equipment
2. Electronic instruments
3. Fire alarm and security devices
4. UPS power supply
5. Solar power system
6. Wind power system



### CHARACTERISTICS

1. Gelled electrolyte, no flow, no leakage or no gradation of sulfuric acid.
2. The positive plate is tubular plate, which can effectively prevent the active materials from falling off
3. PVC-SiO<sub>2</sub>, separator, which is special for gel battery with tiny holes. The separator has high volume porosity, low electrical resistance and excellent wettability.
4. Maintenance-free during the whole service life.
5. Low self discharge rate.
6. Proof against deep discharge according to DIN4353915.



### TECHNICAL PARAMETERS

Environment temperature	: -20°C~50°C
Environmental temperature for best utilization	: 25°C ±5°C
Float charging voltage	: 2.25V~2.30V/unit
Equalization voltage	: 2.30~2.35V/unit
Temperature adjustment coefficient	: -3mV/°C/unit
Max charging current	: 0.20C <sub>10</sub> A
Design service life	: 20 years (20°C)
Self-discharge rate	: Less than 40% after 2 year storage at 20°C
Recover performance after deep discharge	: The battery can be recharged to 95% of the rated capacity after 12 hour deep discharge
The gas recombination efficiency exceeds	: Less than 40% after 2 year storage at 20°C

### SPECIFICATIONS

Voltage : 2V Capacity : 200Ah to 3000Ah

Service life : Designed floating service life 20 years at 20°C/68°F

Designed cycle life more than 1200 cycles at 80% DOD at 20°C/68°F

Type	Nominal Voltage (V)	Capacity (Ah)	Internal Resistance (M)	Dimensions (Mm)				Weight (App.) ±5%(Kg)	Terminal
				Length	Width	Height	Total Height		
OP2800	2	800	0.5	191	206	646	681	58.5	T10
OP21000	2	1000	0.4	233	210	646	681	68.6	
OP21200	2	1200	0.35	275	210	646	681	82	
OP21500	2	1500	0.25	275	210	795	831	113.5	
OP22000	2	2000	0.23	399	210	772	807	143	
OP22500	2	2500	0.2	487	210	772	807	174	
OP23000	2	3000	0.15	576	212	772	807	209	