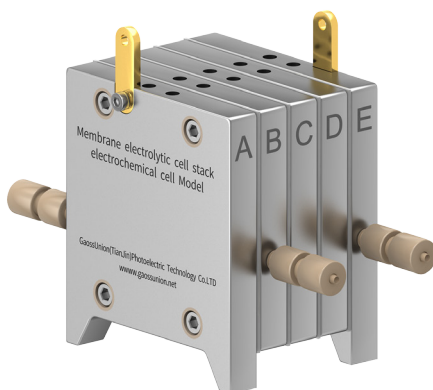
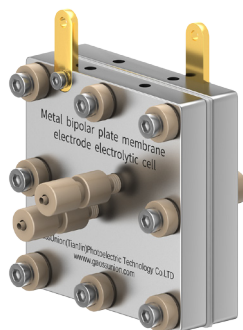
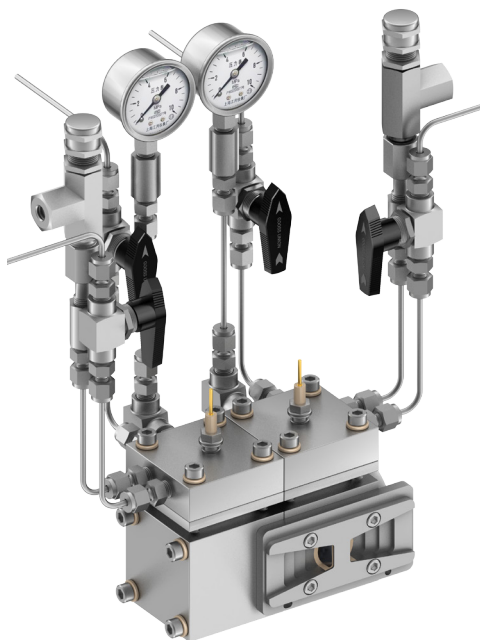


Electrochemical Product Catalogue

Electrolytic Cells Electrode



COMPANY

Company Profile Gaoss Union was established in 2008 in East Lake High-Tech Development Zone of Wuhan, known as "Optics Valley of China".

Ever since its establishment, Gaoss Union has devoted to research, development, production, sales and service of electrochemical products. It is a scientific and technological company with research of electrochemical reactions as well as design and manufacture of electrochemical devices as its major businesses.

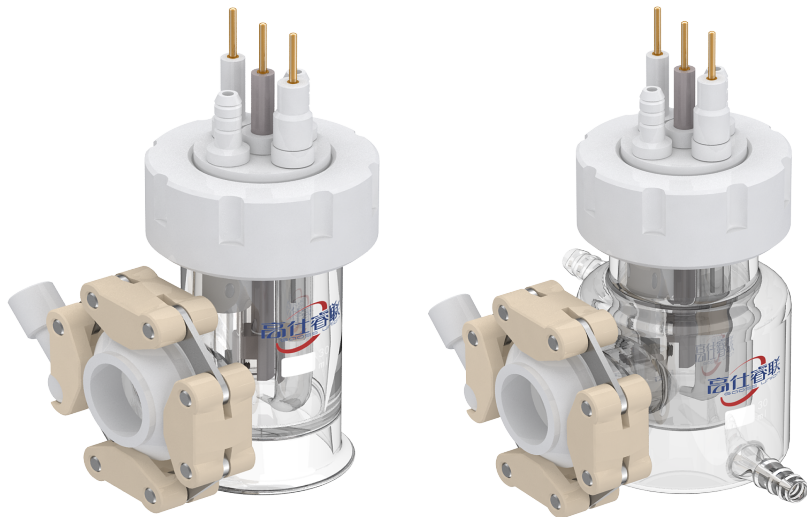
Gaoss Union manufacture and sell three-electrode, electrolytic cells, flow cells, characterization cells, electrochemical materials, etc. required for electrochemical experiments, as well as provide customized electrode and electrochemical device services.

Welcome to inquire.



Photocatalytic Electrochemical Cell Series

Single-Cell Photocatalytic Electrochemical Cell (Relatively Sealed, Side Window) Model: C019-1



- The cell is made of high purity borosilicate glass.
- The optical window of the electrolyte cell is made of quartz, with a transmittance >95%.
- The quartz window is easily replaceable and securely sealed using a locking ring attached to the cell body.
- This cell is often used in a 3-electrode system, with a customizable volume of 30ml to 500ml.
- Electrodes need to be the longer type based on dimension of the cell.
- The top electrodes holder is 360-degree rotatable, made of PTFE, allowing precise alignment of electrodes to the optical window, then sealed by tightening the outer cover made of POM material.
- Electrode area seals via O-rings and screws.
- The electrolyte cell is equipped with a bubbler that can aerate below the liquid surface, creating different atmospheres for various experiments
- The electrolyte cell comes in both single-layer and jacket form. The jacket layer allows a constant temperature through water circulation on top of the single layer design.
- The electrodes of the electrolytic cell need to be purchased separately, and must be matched with the cell.

Volume (ml)	Single layer	Jacketed
50mL		
100mL		
150mL		

All sizes listed are common sizes, can be customized according to requirements.

Photocatalytic Electrochemical Cell Series

Single Chamber Photoelectrochemical Cell (Absolutely Sealed, Side Window) Model: C019-2



- The optical window of the electrolyte cell is made of quartz, with a transmittance >95%.
- The quartz window is easily replaceable and securely sealed using a locking ring attached to the cell body.
- This cell is often used in a 3-electrode system, with a customizable volume of 30ml to 500ml.
- The sealed cell is equipped with valves and gas connectors; inlet direction is through the aeration device valve. The sealed cell is vacuumable (below -100Kpa), and can be slightly pressurized up to 0.5MPa.
- The working electrode, counter electrode and reference electrode of the cell need to be matched in dimension, inserted through the cover for absolute sealing.
- The compatible electrodes of the electrolytic cell need to be purchased separately.
- The top electrodes holder is 360-degree rotatable, made of PTFE, allowing precise alignment of electrodes to the optical window, then sealed by tightening the outer cover made of POM material.
- The cell is equipped with a bubbler that can aerate below the liquid surface, creating different atmospheres for various experiments
- The cell comes in both single-layer and jacket form. The jacket layer allows a constant temperature through water circulation on top of the single layer design.

Volume (ml)	Single layer	Jacketed
50mL		
100mL		
150mL		

All sizes listed are common sizes, can be customized according to requirements.