BATTERY

CSB

Energy of Infinity

Large System Solutions

CSR

Management Concept

As a world leading manufacturer of Valve Regulated Lead-Acid (VRLA) batteries, CSB's products are utilized in over 52 countries in telecommunications, UPS, emergency lighting, security and more. Founded in 1986, CSB has evolved into an international company providing over 4 million batteries monthly.

CSB's demand for producing high quality batteries is the main reason for its' growth. The wide array of CSB customers have come to know and trust the quality and reliability of its' products and services. CSB is committed to developing next generation VRLA products and growing its' worldwide distribution network.

With over 2500 people, CSB is confident in providing you a better and more reliable solution.

CSB Management Concept

C Confidence and Creativity

S Service and Sincerity

B Belief and Bravery

CSB Group
Chairman: Mr. Albert Wang
Established: Nov. 28, 1986
Employees: over 2500

General Information

Sales Office

CSB BATTERY CO., LTD. TAIWAN OFFICE

CSB BATTERY TECHNOLOGIES, INC. USA OFFICE

CSB BATTERY OF NETHERLANDS B.V
NETHERLANDS OFFICE

CSB BATTERY TECHNOLOGIES (BEIJING) CO., LTD.

CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD

CSB BATTERY LOGISTICS (SHANGHAI) CO., LTD.
SHENZHEN OFFICE

Factory

CSB TAINAN FACTORY (TAIWAN)

CSB BATTERY GUANGZHOU CO., LTD.

CSB BATTERY VITNAM CO., LTD.

MH14533(N)

TÜV CERT ISO9001 No.:041005117

RWTUV ISO 14001 NO.UM 1-12-0045

TL 9000

ISO 9001/2000 and ISO 140001 Certified
BS 6290 Part 4, 1987
JIS C 8704-2, 1999

Bellcore, TR-NWT-000776
NEBS Level 3 Certified, SR 4228 Compliant
Eurobat Classfications

CSB History

1986

*Creation of CSB Battery Co., Ltd. through a joint venture and technological coalition between CSB Group and Shin-Kobe Electric Machinery Co., Ltd.
*Manufacturing facility built at Taiwan
*UL certification received

1988 - 1992

*Installation of CCDS: Computerized Charging & Discharging System
*Ranked as one of the top ten VRLA battery manufacturing companies in the world
*Establishment of corporate CIS.
*CSB Battery of American Corporation (CBA) established to serve the Americas
*Recognized by the Industrial Bureau of ROC (Republic of China) as one of eight model manufacturing plants for pollution prevention and control
*Awarded by ROC Ministry of Economic Affairs for Outstanding Contribution to International Brand Promotion
*Became the member of BIPA

1993 - 1997

*Grand opening for the plants site for professional assembly team
*ISO 9001 certification granted by RWTUV of Germany
*CSB Battery Technologies, Inc. established to expand technical research in the Americas

1998 - 2000

*ISO 14001 certification granted by RWTUV of Germany
*Baterias CSB de Mexico, S.A. De C.V. established to expand battery production in the Americas
*CSB Beijing representative offices established to serve Mainland China
*CSB Holding Co., Ltd. Established in Belize
*Electric Vehicle batteries (EVX series) qualified and approved by EPA
*Conducted worldwide integrated Information system
*Obtained Chungwa Telecom Co., Ltd. Specifications 4004-1
*Approved by Telecom & Power Ministry in China
*CSB Battery Guangzhou Co., Ltd. Founded to expand battery production in Mainland China
*CSB Battery Logistics (Shanghai) Co., Ltd. Established to expand logistics services in Mainland China

2001 - 2005

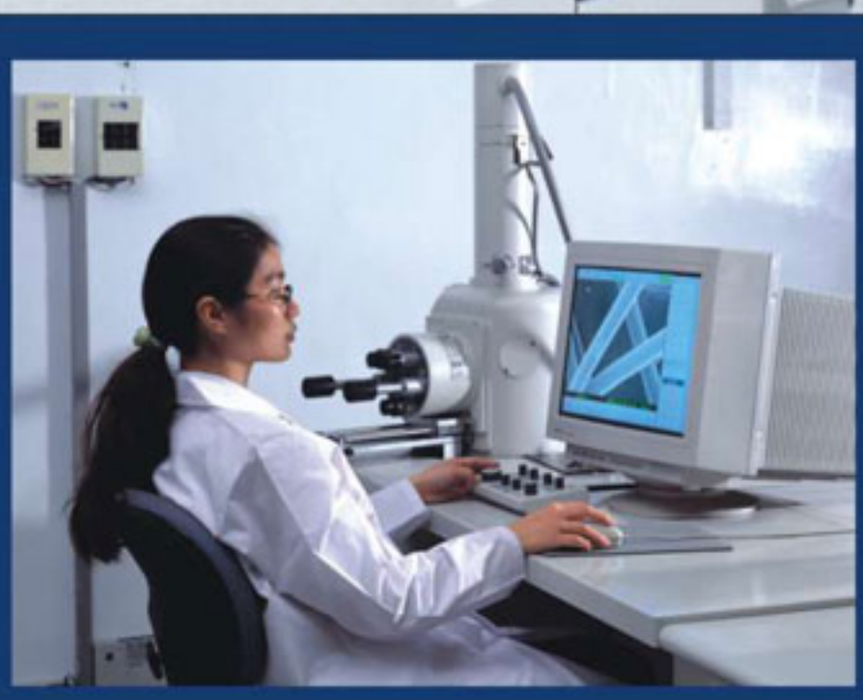
*CSB CVI Logistics Co.established in British Virgin Islands
*CSB Battery of America Corp. Renamed as CSB Battery Technologies, Inc. Fort Worth office.
*CSB Battery (Singapore) Pte., Ltd. established to expand service in Asia Pacific.
*Adopted ERP(Enterprise resource planning)system to enhance productive efficiency.
*CSB Battery Co., Ltd.(HQ) moved to Nei-Hu Technology industry park.
*CSB Battery (Guangzhou) certified by OHSAS 18000
*CSB Battery of Netherlands B.V. established to expand service the European Market.

2006 - 2008

*XTV / XHRL / UPS / MSV Series launched
*CSB Battery of Netherlands B.V.changed its name to CSB Battery Europe B.V
*CSB Battery Technologies (Beijing) CO., LTD had grand opening in Beijing, China
*France / Benelux / Germany / UK / Iberica / Italy offices established to expand service the European Market.
*CSB Battery (Viet Nam) Co., Ltd. founded to expand battery production in Vietnam
*CSB Europe is running for Green company Award with establishing a European recycling plan.
*CSB Europe is upgraded from all-round battery supplier to a Total Solution Provider.
*CSB Europe will launch a patented Battery and System Calculation Software.

Continuously creating new and innovative products to fulfill customers'needs is CSB's first mission. CSB will continue to develop new technologies for a wider range of application specific products. With CSB's research and development team focusing on quality and consistency, customers will be able to rely on its' product in the most demanding of applications.

R&D



Quality Assurance and Technical Support

Quality Assurance

CSB's vision is to satisfy the customer's needs with the best possible solution. Through quality control in the production process and reliable service and support in the field,CSB provides the customer with what it needs.

CSB follows a strict ISO certified set of procedures to control every step of the manufacturing process. Six Sigma has also been implemented to help improve this process on an ongoing basis.

AAMP: Advanced Automated Manufacturing Process

CSB utilizes advanced robotics and computer automation to provide our customers with batteries that have very tight tolerances. CSB batteries, due to their closely matched characteristics, are a perfect choice for applications which require a high degree of balance such as telecommunications and UPS.

CCDS: Computerized Charging & Discharging System All CSB batteries go through a cycle testing with computerized charging &discharging system (CCDS). The fully automated CCDS system, which performs the 100% cycle testing, assures our customers of receiveing the highest quality batteries.

Technical Support

CSB's global team of certified Technical Support people provide customers with the service, design and technical assistance demanded in today's fast moving markets. When teamed with CSB, customers have the assurance of receiving a quality product and timely service before and after the sale.

Quality Assurance and Technical Support

Environmental Protection

In environmental protection and ecology conservation, CSB always believes in prevention rather than aftermath cleanups.
CSB introduced unprecedented environmental protection technology and equipment from Japan when our factories were being drawn. CSB's environmental and production engineers follow the procedures, certified by ISO 14001, to reduce side products and energy consumption.
In 1991, CSB was awarded as "Outstanding Manufacturer in Industrial Pollution Control" by the government of R.O.C. In the future, CSB will keep this natural loving enterprise spirit to serve the world.
CSB Battery (Guangzhou) certified by OHSAS 18000

Environmental Protection

CSB's environmental policy
-Follow the environmental legislation, implement environmental management.
-Reinforce training, promote concepts of environmental protection.
-Emphasize on pollution prevention, reduce the amount of pollution.
-Continue to improve, cherish the energy and resources.

EVH Series

- **Characteristics:** Increased cycle life up to 122% versus standard lead acid battery
- **Application:** For machines that need rechargeable power supplies for intensive use, such as electric vehicle, portable machines, and camera, etc.
- **Capacity** : 14Ah ~ 39Ah (20h)

EVX Series

- **Characteristics**: Increased cycle life up to 122% versus standard lead acid battery
- **Application**For machines that need rechargeable power supplies for intensive use, such as electric vehicle, portable machines, and camera, etc.
- **Capacity** : 7.2Ah ~ 100Ah (20h)

GP Series

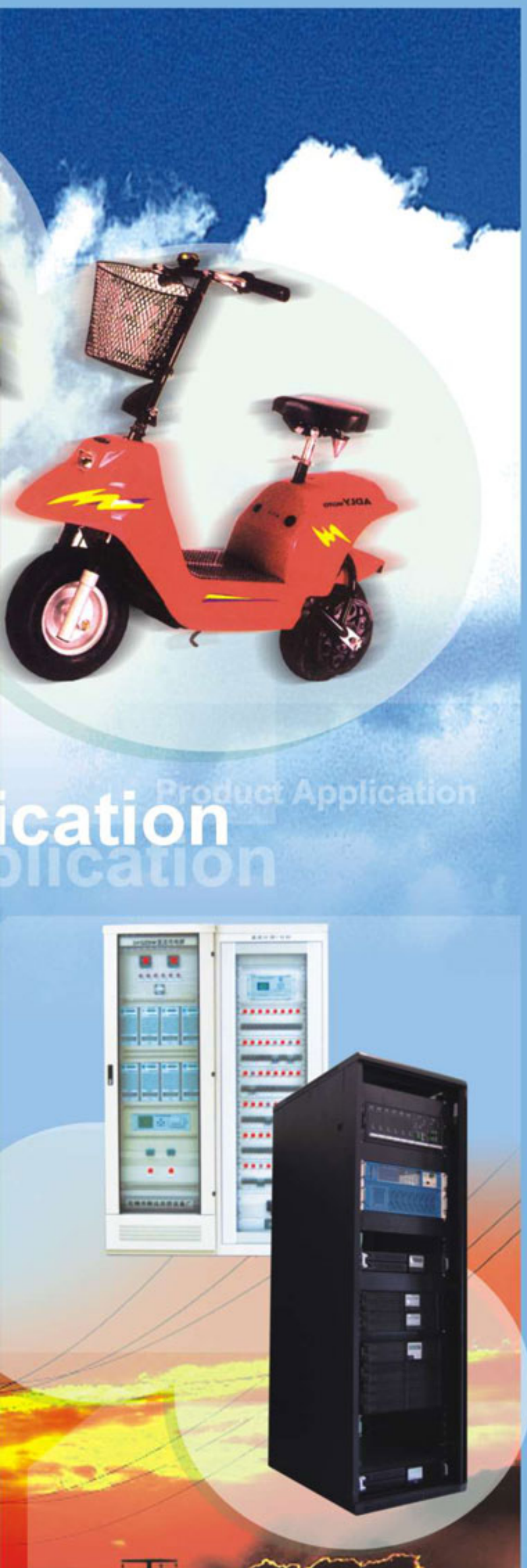
- **Characteristics**:Wide range application provides hundreds to thousands of recharge cycles, up to 5 years.
- **Application**:UPS, emergency lighting, and security alarm, etc.
- **Capacity** : 2.2Ah ~ 100Ah (20h)

GPL Series

- **Characteristics**:Long life, wide range application (Up to 10 years expected long life under normal float charge.)
- **Application**:UPS, emergency lighting, security alarm, telecommunication system etc.
- **Capacity** : 7.2Ah~100Ah (20h)

HC Series

- **Characteristics**: Cassette designed, high rate discharge performace.
- **Application**: UPS, emergency lighting, and security alarm, etc.
- **Capacity** : 17W ~ 28W (15min)



HR Series

- **Characteristics**: high rate discharge.
- **Application**: UPS, emergency lighting, and security alarm, etc.

- **Capacity** : 21W ~ 120W (15min)

HRL Series

- **Characteristics**:Long life, high rate discharge.(Up to 10 years expected long service life under normal float charge.)
- **Application**:UPS, emergency lighting, and security alarm, etc.

- **Capacity** : 10W~500W (15min)

MU Series

- **Characteristics**:2V, long life, large capacity and less space. (Up to 20 years expected service life.)
- **Application**:UPS, emergency lighting, security alarm, telecommunication equipment in intelligent buildings, factories, power plants and substations, etc.

- **Capacity** : 1000Ah~1500Ah (10h)

MSJ Series

- **Characteristics**: 2V, long life. (Up to 20 years expected service life.)
- **Application**: UPS, emergency lighting, security alarm, telecommunication equipments, electric power receiving or transforming equipment in intelligent buildings, factories, power plants and substations,

- **Capacity** : 150~1000Ah (10h)

MSV Series

- **Characteristics**:2V, long life. (Up to 15 years expected service life).
- **Application**:Telecommunication equipment, electric power receiving or transforming equipment, intelligent buildings, factories, power plants and substations, etc..and security alarm, etc.

- **Capacity** : 200Ah ~ 1000Ah (10h)

TPL Series

- **Characteristics**:Front access, long life, space saving design
- **Application**:UPS, wireless, telecom and transmission

- **Capacity** : 80Ah~150Ah (8h)

UPS Series

- **Characteristics**: Wide range application provides hundreds to thousands of recharge cycles, life expectancy up to 5 years.
- **Application**:UPS, emergency lighting, and security alarm, etc.

- **Capacity** : 240W ~ 540W (5min)

XHRL Series

- **Characteristics**:Long life, extreme high rate discharge. (Up to 10 years expected long life under normal floating charge)
- **Application**:UPS, emergency lighting, and security alarm, etc.

- **Capacity** : 360W ~ 620W

XTV Series

- **Characteristics**: Extreme temperature range (-20°C ~ 50°C).
- **Application**: Telecommunication equipment, UPS, emergency lighting, and security alarm, etc.

- **Capacity** : 7.2Ah ~ 95Ah(10h)

UPS Solutions

- **Characteristics:**
  Turnkey rack and cabinet solutions.

- **Product Line:**

GP Series	GPL Series
HR Series	HRL Series
XHRL Series	UPS Series

Telecommunication Solutions:

- **Characteristics:**
  24 and 48 volt configurations, reliable power, wide operating range of product solutions. Scaleable solutions.

- **Product Line:**

GPL Series	TPL Series
MSJ Series	MSV Series
MU Series	XTV Series

EV Solutions:

- **Characteristics:**
  Cyclic use for machine that needs rechargeable power supply for intensive use, such as electric vehicle, portable machines and cameras.

- **Product Line:**
  EVX Series EVH Series

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