



STATIONARY BATTERY CATALOGUE



JAPAN
TECHNOLOGY

Valve Regulated Lead Acid Battery



COMPANY INTRODUCTION

Shimastu, a specialist in Sealed Lead Acid (SLA) batteries, has been researching, developing, manufacturing and marketing SLA batteries throughout the world since 1995. Adopting the advanced technical process from Japan Technology such as modern production machines, testing equipments, etc. Shimastu has been supplying customers with various series of SLA batteries which are longer in service life, much higher in quality, more reliable and stable in performance.

Shimastu, a Sino-Japan joint-venture, has staffs more than 500 people including 30 technicians. Shimastu has been exporting SLA batteries to the world under its own brand "Shimastu" or by OEM orders. Shimastu can produce more than 150,000 units of batteries every month on average and take more than 30 quality controls from IQC to FQC.

Shimastu battery can be used for various power backup systems such as UPS, Emergency Light, Alarm & Security System, Solar System, Telecommunications System and other Electronic Devices. We are certified in ISO9001, ISO14001, UL, CE and RoHS.



**JAPAN
TECHNOLOGY**

NP SERIES (GENERAL RANGE)

Voltage covers : 2V, 4V, 6V, 8V, 12V

Capacity : From 0.5Ah to 28Ah

Design life at floating condition : 5-7 years @ 25 °C

RANGE SUMMARY

By combining a newly developed corrosion resistance alloy and advanced curing process, Shimastu created a range of long life batteries - Duration range. The range features top terminal and offers 5 years design life. This series is highly suited to UPS system, switch-gear, CATV and telecommunication system applications.



FEATURES AND BENEFITS

- Special lead calcium alloy grid, flat plates
- Low resistance, microporous glass fiber separators
- ABS containers and cover
- Internal low pressure security valves
- Fast-on terminal
- Multi-position installation
- Wide temperature range
- Reliability
- Wide range of applications
- Non-spillable
- Sealed and Maintenance-free Operation
- High Quality and High Reliability
- Low Self-discharge
- Long Service Life
- Solid Copper Terminals
- Thick Plates

APPLICATIONS

Cable Television
Communication Equipments
Electric Power Systems
Security Systems
USP systems
Control Equipments
Medical Equipments
Emergency Power Systems
Power Plant



NP SERIES (GENERAL RANGE)

Voltage covers : 6V, 12V

Capacity : From 33Ah to 300Ah

Design life at floating condition : 10-12 years @ 25 °C

RANGE SUMMARY

By combining a newly developed corrosion resistance alloy and advanced curing process, Shimastu created a range of long life batteries - Duration range. The range features top terminal and offers 10 years design life. This series is highly suited to UPS system, switch-gear, CATV and telecommunication system applications.

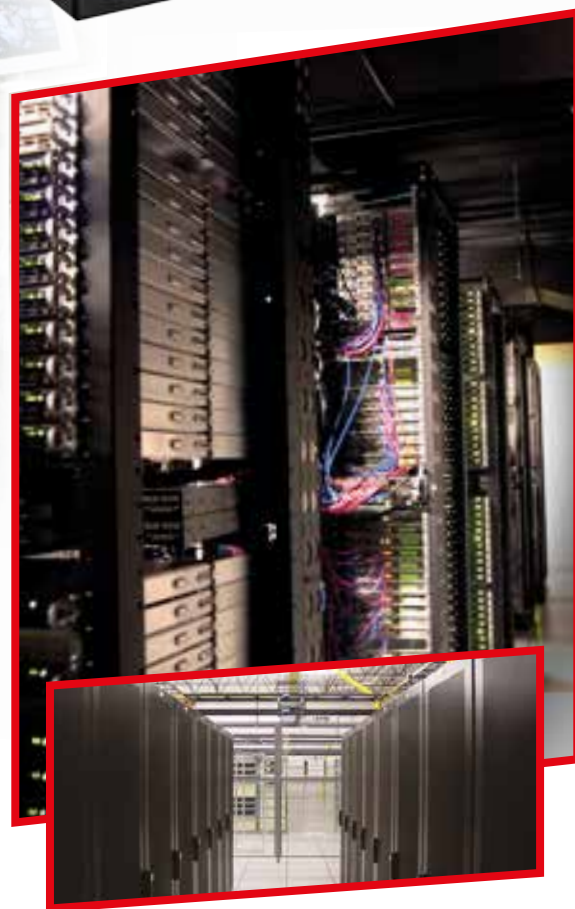


FEATURES AND BENEFITS

- Special lead calcium alloy grid, flat plates
- Ultra- Low resistance, microporous glass fiber separators
- ABS containers and cover
- Cover with integrated handle
- Internal low pressure safety valves
- Reduced clutter
- Very long range
- Long life
- High power specification
- Non-spillable
- Sealed and Maintenance-free Operation
- High Quality and High Reliability
- Low Self-discharge
- Long Service Life
- Solid Copper Terminals
- Thick Plates

APPLICATIONS

*Cable Television
Communication Equipments
Electric Power Systems
Security Systems
UPS systems
Control Equipments
Medical Equipments
Emergency Power Systems
Power Plant*



JAPAN TECHNOLOGY

NPH SERIES (HIGH RATE RANGE)

Voltage covers : 6V, 12V

Capacity : From 4Ah to 166Ah

Design life at floating condition : 5-12 years @ 25 °C

RANGE SUMMARY

By combining proprietary high rate plate design with low internal resistance AGM separators, Shimastu created the innovative High Rate range of batteries. This range offers extremely high power output at 15 minutes backup time with 10 years design life and is highly suited to high rate UPS and power switchgear applications.

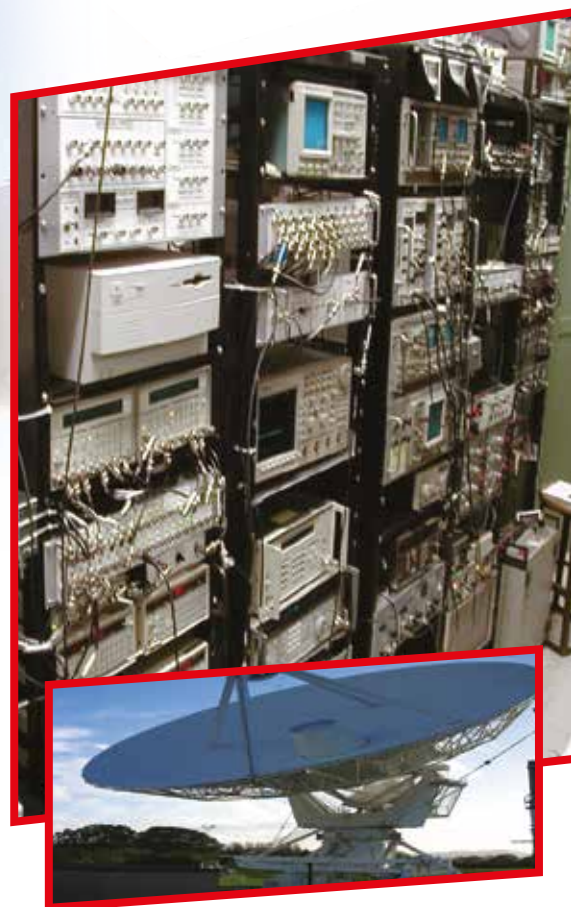


FEATURES AND BENEFITS

- Non-spillable
- Positive and negative plates in lead-calcium tin alloy
- Superior energy density and very high power output
- Operates at a low internal pressure.
- Gas Recombination
- High Quality and High Reliability
- Long Service Life
- Solid Copper Terminals
- Thick Plates
- Computer-aided Design and Manufacturing

APPLICATIONS

Alarm Systems
Communication Equipments
Control Equipments
Security Systems
Medical Equipments
UPS systems
Power Tools
Toys
Emergency Power Systems



 Shimastu
**JAPAN
TECHNOLOGY**

NPC SERIES (DEEP CYCLE RANGE)

Voltage covers : 12V

Capacity : From 7Ah to 200Ah

Design life at floating condition : 5-12 years @ 25 °C

RANGE SUMMARY

By combining up-to-date NPC additives in the positive plates and special AGM separators, Shimastu created an innovative range of DC batteries. This range features 70% higher cyclic life with 10 years of float life when compared with the standard Duration range. This series is highly suited to very unreliable power applications requiring the batteries to provide extra cyclic life performance such as outdoor applications, small RE systems and electric vehicles.



FEATURES AND BENEFITS

- Non-spillable
- Superior Deep Cycle Design;
- High Power Density;
- Thick Plates and High-density Active Material;
- Longer Life in Deep Cycle Applications;
- Excellent Recovery from Deep Discharge.

APPLICATIONS

Electric Powered Vehicles
Golf Cars and Buggies
Wheel Chairs
Power Tools
Electric Powered Toys
Control Systemm
Medical Equipments
UPS systems
PV applications



NP Series
(General Range)

NPH Series
(High Rate Range)

NPC Series
(Deep Cycle Range)

NPL Series
(Long Service Life Range)

GEL Series
(Gel Battery)

FA Series
(Front Access Range)

STXL Series
(Classic Battery)

NPL SERIES (LONG SERVICE LIFE RANGE)

Voltage covers : 12V

Capacity : From 40Ah to 200Ah

Design life at floating condition : 12-15 years @ 25 °C

RANGE SUMMARY

By combining a newly developed corrosion resistance alloy and advanced curing process, Shimastu created a range of long life batteries - Duration range. The range features top terminal and offers 12-15 years design life. This series is highly suited to UPS system, switchgear, CATV and telecommunication system applications.

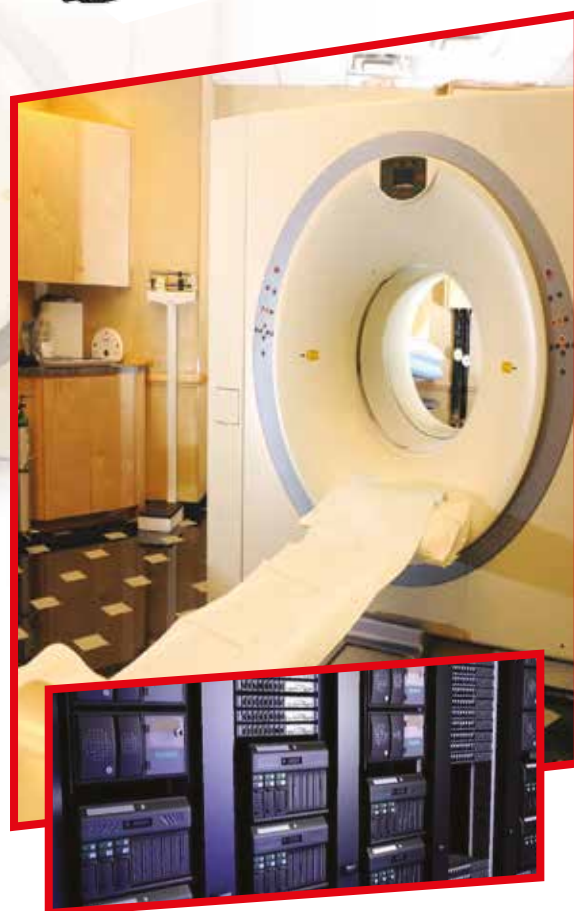


FEATURES AND BENEFITS

- Non-spillable
- Sealed and Maintenance-free Operation
- High Quality and High Reliability
- Low Self-discharge
- Long Service Life
- Solid Copper Terminals
- Thick Plates
- Computer-aided Design and Manufacturing

APPLICATIONS

*Cable Television
Communication Equipments
Electric Power Systems
Security Systems
USP systems
Control Equipments
Medical Equipments
Emergency Power Systems
Power Plant*



GEL SERIES (GEL BATTERY)

Voltage covers : 2V, 6V, 12V

Capacity : From 24Ah to 2000Ah

Design life at floating condition : 10-12 years @ 25 °C

RANGE SUMMARY

By combining the newly developed nano gel electrolyte with high density paste, Shimastu created an innovative range of Solar batteries. This range offers high recharge efficiency at very low charge current. The acid stratification is highly depressed by adding of gel. This range is highly suited to energy storage for renewable energy such as PV and wind turbine power systems applications.

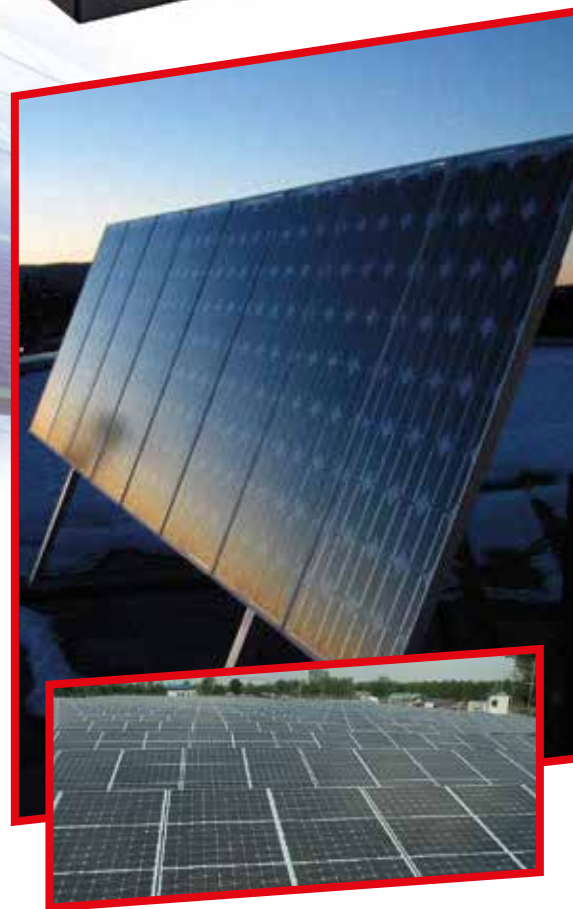


FEATURES AND BENEFITS

- Wide margin of function temperature
- Low self-discharge rate
- No delamination phenomena in the electrolyte;
- Heat loss control phenomena is rare happen;
- Equalized current distribution, the active material not easy to fall off;
- The lead plate hard to distortion under overcharge condition;
- Excellent performance in resisting deep discharge;
- No leakage phenomenon

APPLICATIONS

*Photovoltaic systems
Renewable Energy Systems
Electric Utilities
Outdoor control Equipments
Railroad Utilities*



JAPAN TECHNOLOGY

FA SERIES (FRONT ACCESS RANGE)

Voltage covers : 12V

Capacity : From 55Ah to 180Ah

Design life at floating condition : 10-12 years @ 25 °C



RANGE SUMMARY

By combining the newly developed paste formula with up-to-date AGM structures, Shimastu created the innovation FA range of batteries. This range features 10 years design life and front access connection for fast, easy installation and maintenance. This series is highly suited to telecom applications, UPS systems and other back up applications.

FEATURES AND BENEFITS

- High spec, Special lead calcium alloy grid, flat plates
- Low resistance, microporous glass fiber separators
- ABS Class fvo containers and covers
- M6 Front terminals
- Monobloc with integrated handle
- Internal low pressure safety valves
- Remove Venting System on demand
- Upper surface connection option
- Long working life
- Ultra low power loss in standby
- Compact and flexible use
- Non-spillable
- Low Internal Resistance
- Lower Self Discharge
- Longest Available Standby Life
- High Energy Density
- High Quality and High Reliability

APPLICATIONS

Telecom
Control Equipments
UPS systems
Communication Equipments
Medical Equipments
Emergency Power Systems



STXL SERIES (CLASSIC BATTERY)

Voltage covers : 2V

Capacity : From 100Ah to 2000Ah

Design life at floating condition : 15-20 years @ 25 °C

RANGE SUMMARY

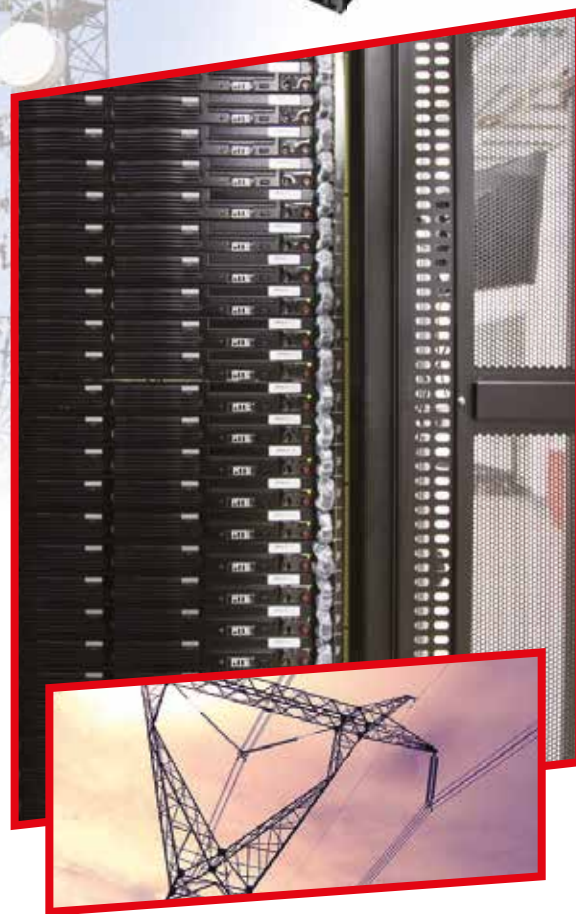
By combining the service life reliability of a flooded battery with the performance energy density of a valve-regulated battery, Shimastu created a true long service life VRLA battery - the LSE range. This range offers 15 years design life with very good cycling capability, and it is highly suited to telecom, UPS, renewable energy system, power stations and similar applications.

FEATURES AND BENEFITS

- High spec, Special lead calcium alloy grid, flat plates
- Microporous, glass fiber separators
- ABS Class fvo containers and covers
- M6 or M8 threaded insert female terminals
- Cover with integrated handle
- Internal low pressure safety valves
- Long life with high reliability
- Operational safety
- Low Voltage drop
- Versatile installation
- Long range
- Non-spillable
- Long Service Life, Float or Cyclic
- Low Pressure Venting System
- Low Self Discharge
- Heavy Duty Grids

APPLICATIONS

Telecom
Electric Utilities
Control Equipments
Security Systems
Medical Equipments
UPS systems
Railroad Utilities
Photovoltaic Systems
Renewable Energy Systems



Shimastu



**JAPAN
TECHNOLOGY**



Valve Regulated Lead Acid Battery

NP Series
(General Range)

NPH Series
(High Rate Range)

NPC Series
(Deep Cycle Range)

NPL Series
(Long Service Life Range)

GEL Series
(Gel Battery)

FA Series
(Front Access Range)

STXL Series
(Classic Battery)



RoHS



NP Series
(General Range)

NPH Series
(High Rate Range)

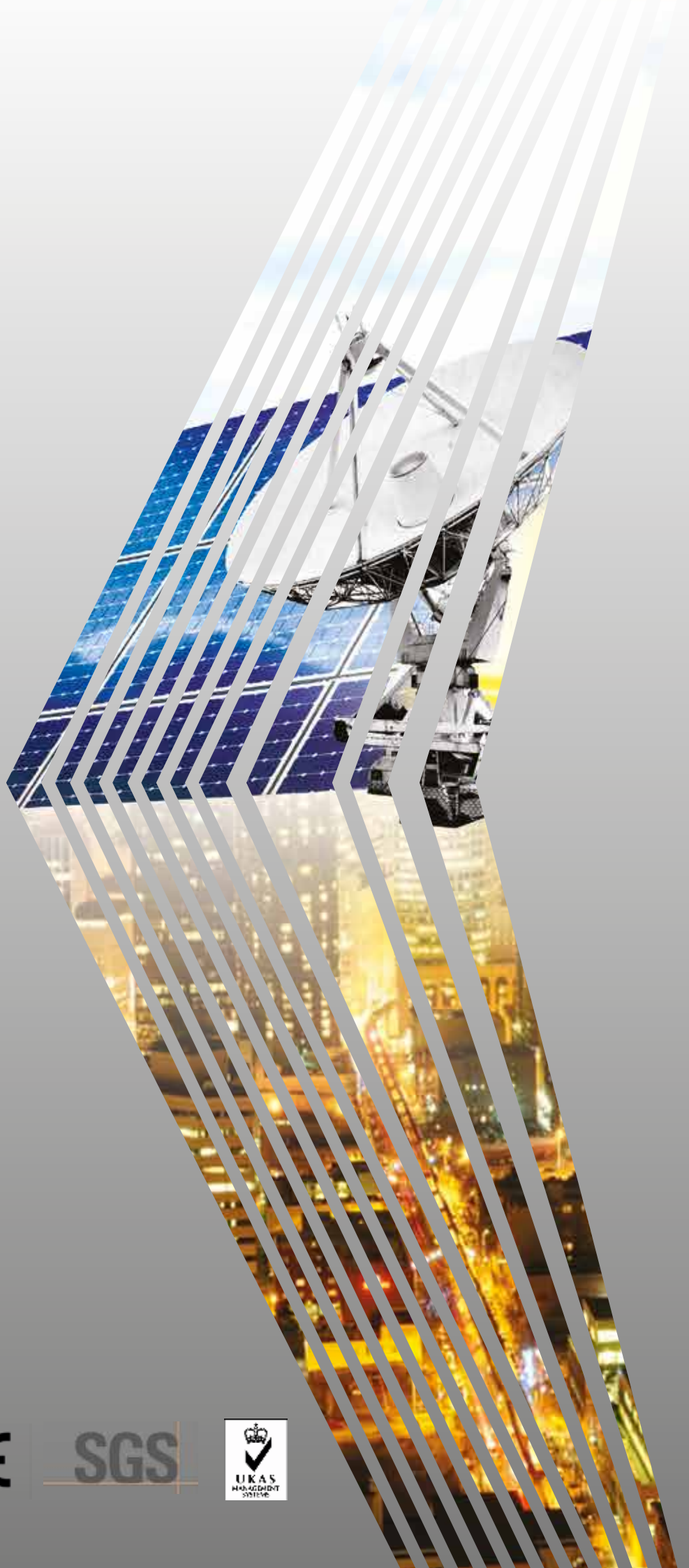
NPC Series
(Deep Cycle Range)

NPL Series
(Long Service Life Range)

GEL Series
(Gel Battery)

FA Series
(Front Access Range)

STXL Series
(Classic Battery)



RoHS



SGS

