

WELCOME TO ANAA HOLDING



TOGETHER TOWARDS
THE FUTURE!



www.anaaholding.com
www.anaa.ae



About Us



Our Mission

We are active in multiple sectors of business, inspiring customers and team to professional diversity combined with professionalism.

www.anaaholding.com
www.anaa.ae

Our Vision

ANAA is targeting the leadership of equipment supply with all related business cope requirements, resulting is contribution into economic growth and being a leading contributor to it.



Today's Agenda

Company Introduction

- Overall Overview

 - History

 - Vision & Mission

Business Sectors

- Power Division

- Stainless Steel Division

- Kitchen Equipment Division

- Construction Tools Division

Micro View on "The Power Division"




- Battery Systems

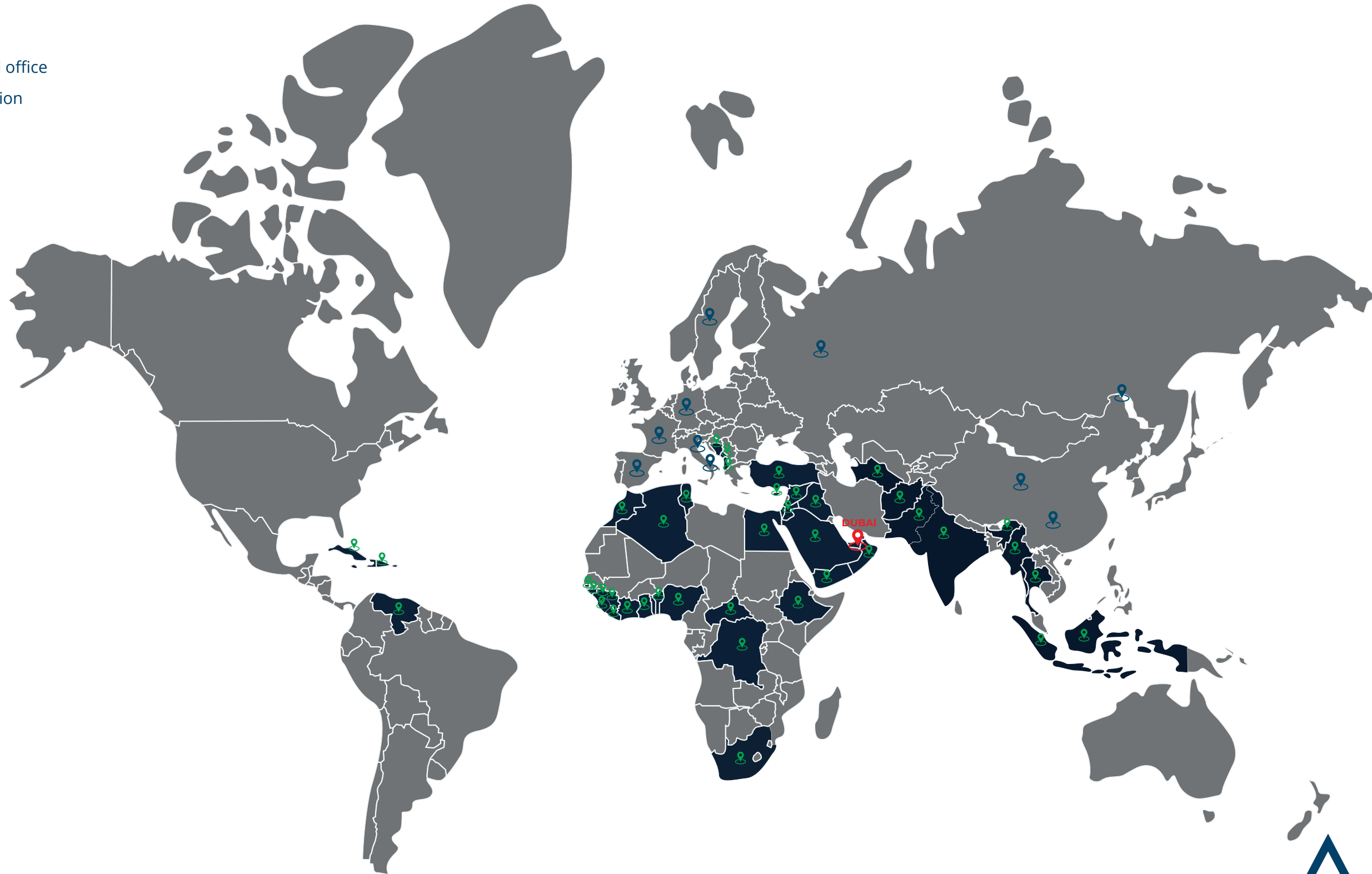
- UPS

- Solar Home Solutions



Our Locations

-  ANAA Holding Head office
-  Supply and installation
-  Supply only



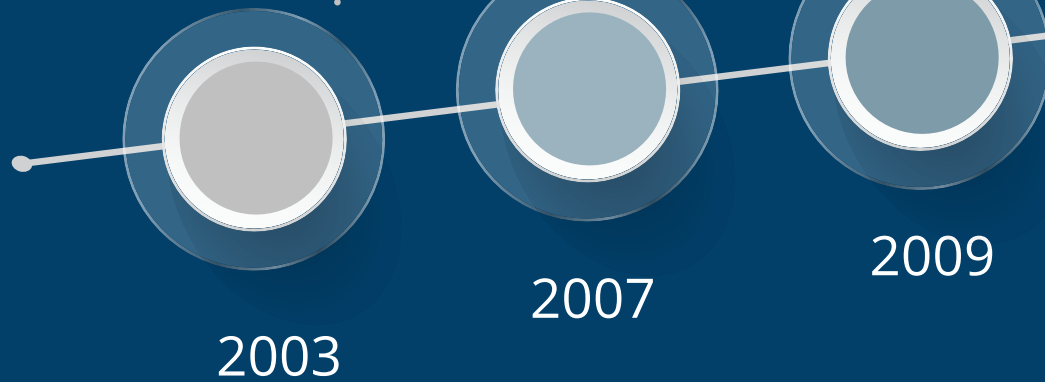
www.anaaholding.com
www.anaa.ae

The Company

A story of an Entrepreneur establishing a Genral Trading company for Imports & Exports during the booming phase of the UAE. Starting with 3 in the equipment supplies.

The year where the success grew in the construction tools sector with the leadership orinetation towards the booming field of residential units construction.

The ANAA General Trading family reached meanwhile 21 colleague within different departments. ANAA GT started to diversify and enter the power equipments trading.



New investor entered the company and invested into the Power Division. The others field of construction declined due to economic developments in the UAE.

The Power division crossed supply of +500 projects within the region. ANAA GT streghened its market presence as of the well-known companies in this sector.

The customer base in the entire region crossed +1000. Supplies regionally extended successfully. ANAA GT became ANAA Holding LLC by adding different companies into the group (Silverline, Serpiano,...) Strong investments toward the Power Division portfolio has been made by adding UPS Systems, Racks, Accessories from different manufacturer's.



Company's Values

Excellence

- └ Adhering a global-class standard of business excellence in all our strategic approaches and operations is one of our key understandings

Commitment

- └ Once a specific goal is set, we invest all our efforts to achieve it on real grounds regardless of its difficulties and challenges

Integrity

- └ Transparency is the core of all our business relations

Team Spirit

- └ Our team understanding is the encouragement of individualism and convert it into One-Company-Spirit

Reliability & Accountability

- └ Trust & Confidence on intercompany and ex-company is key of our business ethics.



Our Business Sectors



The Power
Division



The Tools &
Accessories



The Stainless
Steel Division



The Kitchen
Applications
Divisions



International Accreditation

ISO 45001:2018



Occupational Health & Safety Management System

ISO 14001:2015



Environmental Management System

ISO 9001:2015

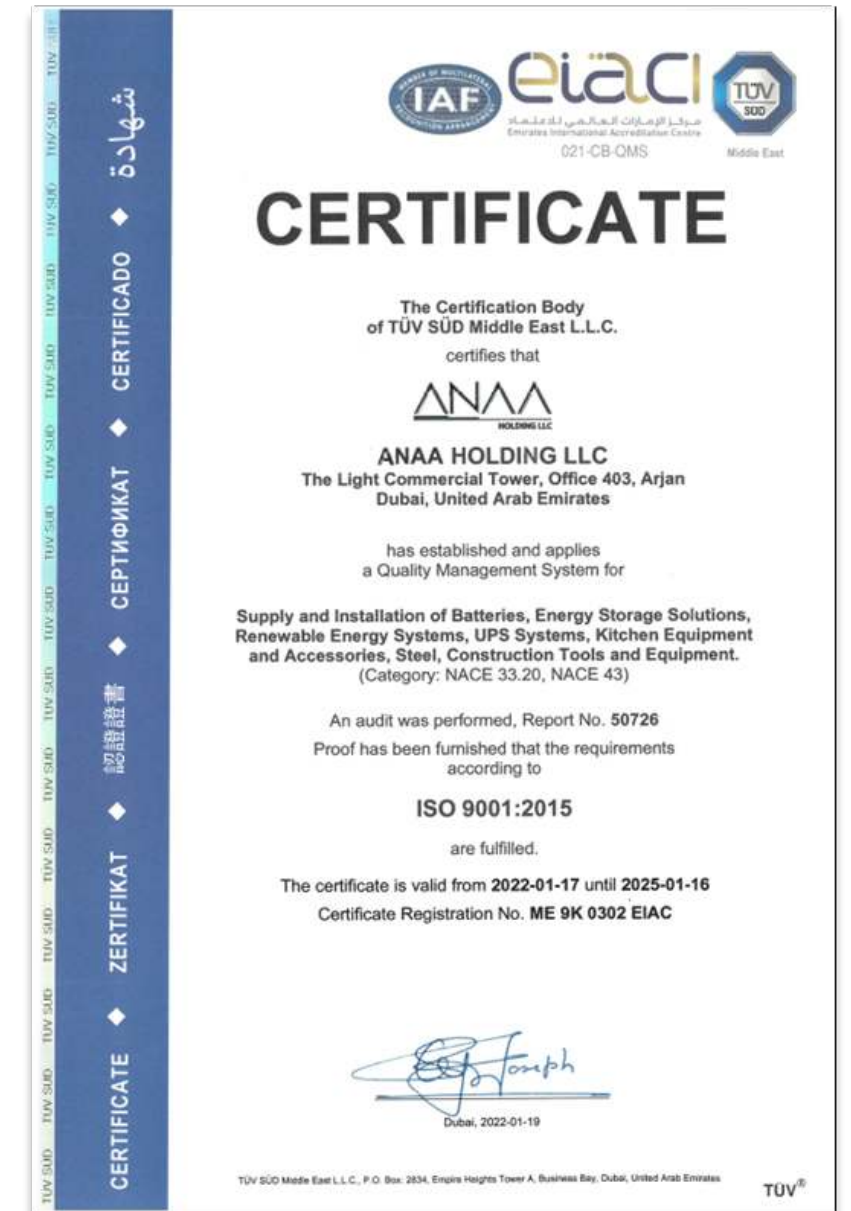


Quality Management System

ISO - Good Distribution Practice (GDP) System



www.anaaholding.com
www.anaa.ae



The Power Division

Battery & Equipment

- GEL Technology
- AGM Technology
- Flooded Technology
- NiCad Technology
- Lithium Ion Technology
- Racks for installation / Connectors...

UPS

- UPS
- Rectifiers
- Inverters
- Other related accessories / equipments

Renewable Energy Equipment

- Solar solutions for residential units
- Solar solutions for commercial / industrial units

Installation / Service / Maintenance

- From solution design to final execution
— we provide full services



The Power Division

Batteries & Equipment

Partnered & Supply Of Global Brands



Supplying the global brands of Lead Acid Batteries

Supplying a global brand of racks & cabinets



Supplying a global brand of racks & cabinets



Supplying protective battery cabinets and boxes



Supplying Connectors



Supplying the global brand of NiCad Batteries



Supplying the global brand of HBL NiCad



Supplying the global brand of Lithium Batteries



The Power Division

Batteries & Equipment

EXIDE TECHNOLOGIES

EXIDE / ENERGIZING
TECHNOLOGIES / A NEW WORLD



The Power Division

Batteries & Equipment
The GEL Technology – Stationary Batteries
EXIDE TECHNOLOGIES (2)



Sonnenschein A400 Bloc – Range



Made in
GERMANY



Sonnenschein A500 Bloc – Range



Made in
GERMANY



Made in
SPAIN



Sonnenschein A600 (2V & 6V)
– OPZV Range



Made in
GERMANY



Sonnenschein A600 Solar & Solar Bloc
– OPZV Range



Made in
GERMANY



www.anaaholding.com
www.anaa.ae



The Power Division

Batteries & Equipment
The AGM Technology – Stationary Batteries
EXIDE TECHNOLOGIES (4)



ABSOLYTE GP

Absolyte Stackable Battery – Range



Made in
USA



Sprinter P / XP & FT Bloc – Range



Made in
PORTUGAL



Made in
SPAIN



Marathon PowerCycle FT Bloc – Range



Made in
PORTUGAL



Marathon L / XL & FT Bloc – Range



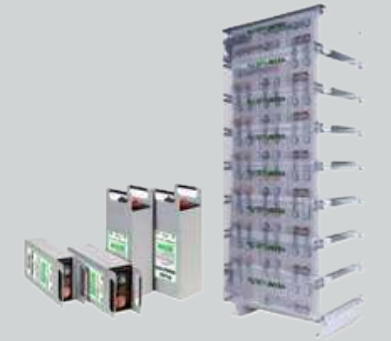
Made in
PORTUGAL



Powerfit Bloc – Range



Made in
CHINA



The Power Division

Batteries & Equipment
The Flooded Technology – Stationary Batteries
EXIDE TECHNOLOGIES (3)

Classic OPZS Bloc & Cell – Range



Classic OPZS Solar Bloc & Cell – Range



Classic OCSM Cell – Range



Classic OGI Cell – Range



Classic GROE Cell – Range



Classic ENERGY Bloc – Range



Classic™

www.anaaholding.com
www.anaa.ae

ANNA
HOLDING LLC

The Power Division

Batteries & Equipment
Traction / Motive Power Batteries in Trays for Heavy Duty Machines
EXIDE TECHNOLOGIES (4)



Classic CSM



Classic EPZB



Classic EPZS



Liberator EPZS SL SX



Liberator EPZS SL SX



Tensor

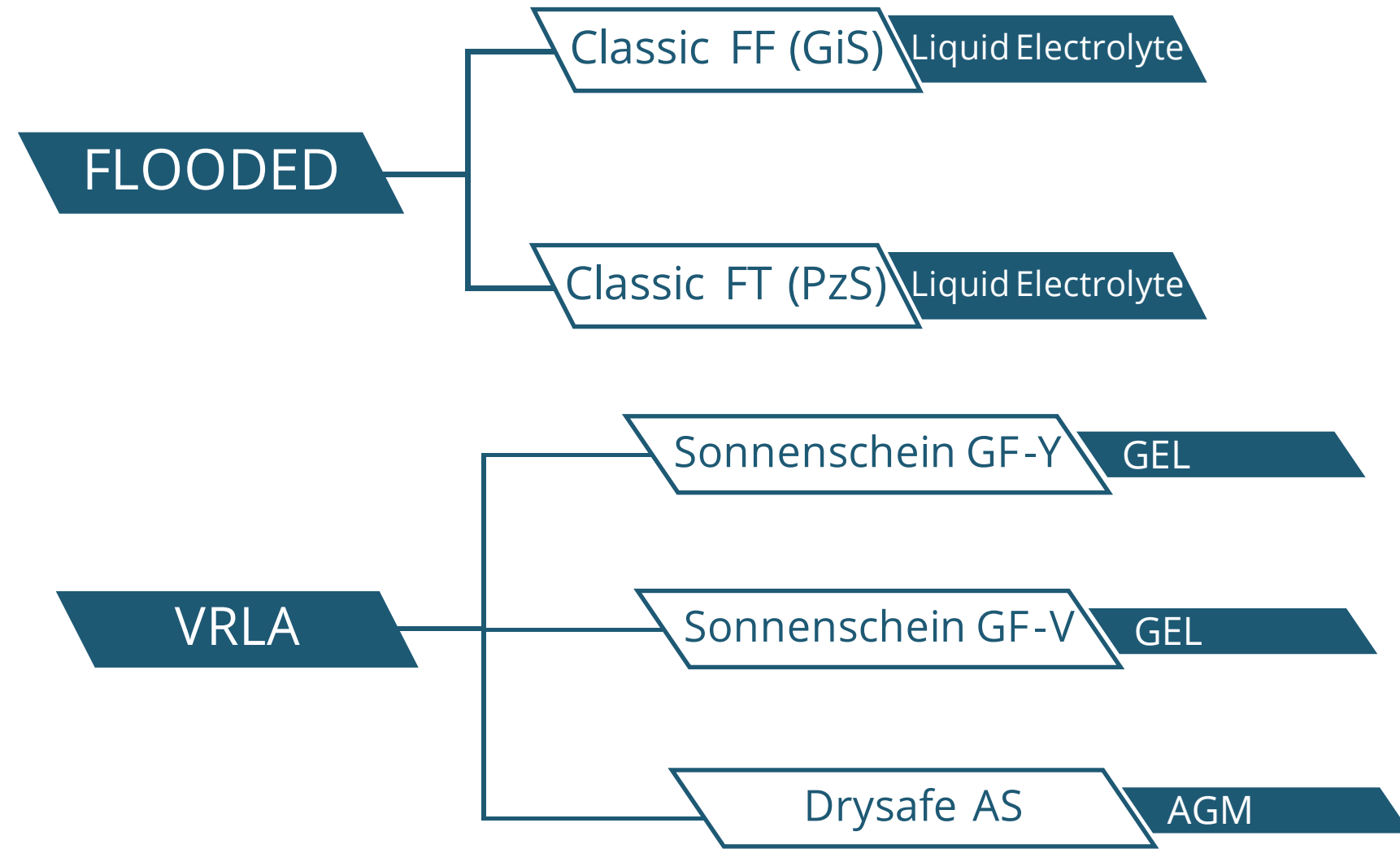


www.anaaholding.com
www.anaa.ae



The Power Division

Batteries & Equipment
Traction / Motive Power Battery Blocs for Light Traction Applications
EXIDE TECHNOLOGIES (3)



www.anaaholding.com
www.anaa.ae



The Power Division

Batteries & Equipment
Traction Battery Chargers / Motive Power
EXIDE TECHNOLOGIES (3)

GNB TA (50Hz Chargers)

 **2100LP**



BASIS – MODEL



 **2100HP**

VERSATILE ALL-ROUNDER



 **2100SP**

COMPACT POWER



www.anaaholding.com
www.anaa.ae


HOLDING LLC

The Power Division



GAZ (an EnerSys Comapny)

- + EnerSys is committed to developing innovative, reliable and cost-effective energy storage and service solutions that support the needs of current and future customers.
- + In 2021, EnerSys joined a number of sustainability and social responsibility initiatives to help further progress toward achieving our goals and demonstrating our commitment to being a responsible corporate citizen.
- + At EnerSys, our purpose is more than simply building batteries and energy systems.
- + Sustainability, reliability and resilience are at the core of who we are and what we do at EnerSys every day.
- + Our technologies power a more sustainable future.



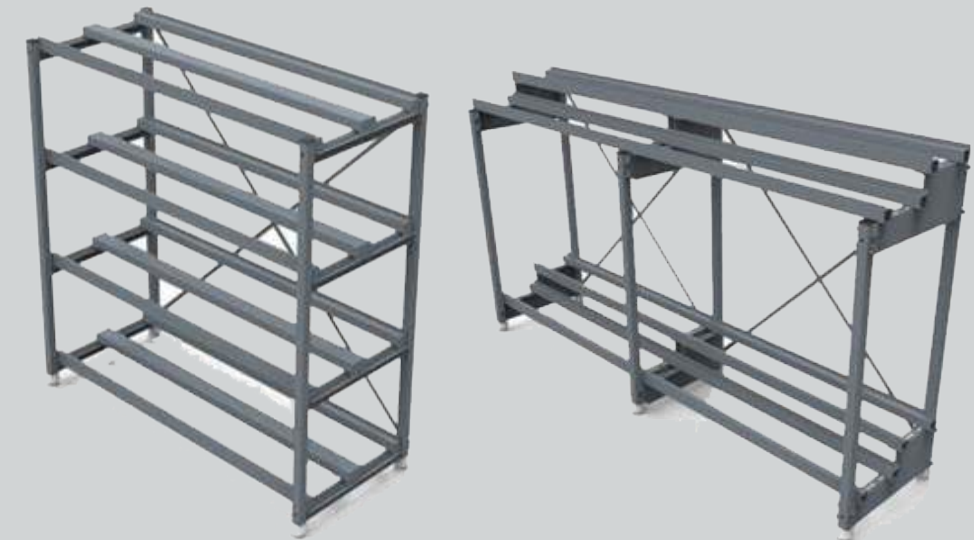
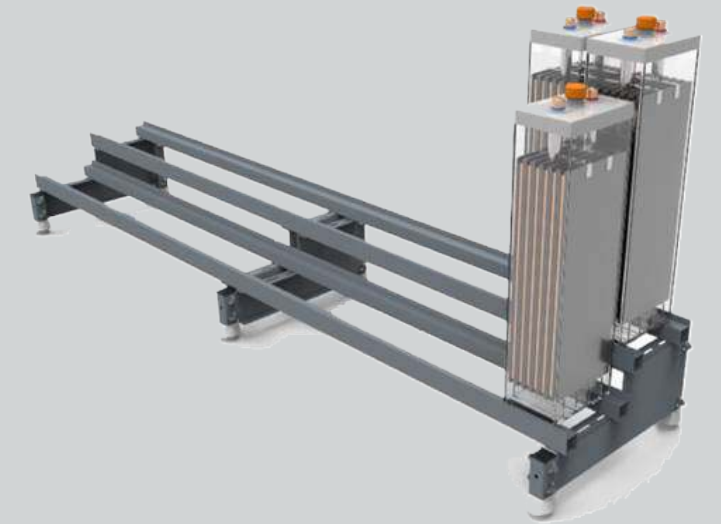
The Power Division

HBL[®]

- + HBL - Industrial Energy Storage
- + HBL is a manufacturer of industrial energy storage solutions with more than 30 years experience, with a focus on Engineered Products and Services.
- + Energy storage for many different applications
 - + Railways
 - + Utility and Power Plants
 - + Oil & Gas
 - + Telecom
 - + UPS
 - + Renewable energies
 - + Engine start
 - + Aviation
 - + Naval
 - + Defence



- + The AIB KUNSTMANN Flexi-Lift – the lifting gear for forklift batteries with a maximum of 5,000 kg
- + Excellent quality of the market leader.
- + Our reliability in all fields is your added value.
- + Full-range supplier: all tray types, in all RAL colours
- + Quality made in Germany, complaint rate at 0 %.
- + Years of experience, specialised experts, support for tray identification.



The Power Division

passoni
alpha

- + Passoni Paolo e figli S.r.l. and alpha industrie-bedarfs gmbh are your specialists for battery racks for stationary use.
- + Our primary business is the marketing of modular battery rack systems for use in standard and earthquake applications.
- + Technically proven solutions for
 - + standard and specialist applications
 - + earthquake and shock sector
- + High-quality products
- + Comprehensive technical advice
- + Project engineering in the nuclear power station and offshore plant sector
- + Long-term experience in the field of PE coating methods



www.anaaholding.com
www.anaa.ae

ANNA
HOLDING LLC

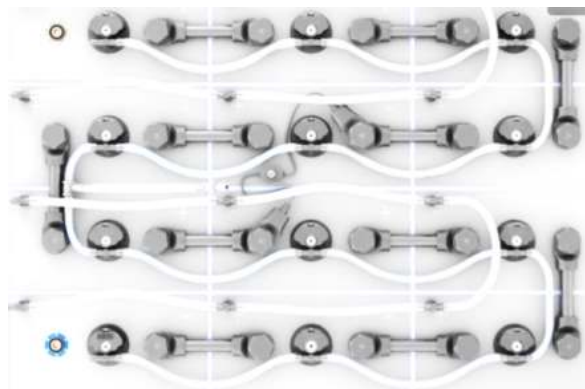
The Power Division

Batteries & Equipment
FRÖTEK Kunststofftechnik GmbH

Connectors & Accessories



Cell Connectors and End Take-Off's



Rigid Connectors (Type 1)



Rigid Connectors (Type 2)



Rigid Connectors (Type 3)



Flexible Connectors (Type 1)



Flexible Connectors (Type 2)



Flexible End-Connectors



The Power Division

The Power Supply Sectors



UPS &
DATACENTERS

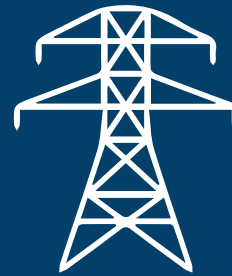


OIL & GAS



TELECOMS (ON - & OFF - GRID)

Batteries & Equipment



UTILITIES

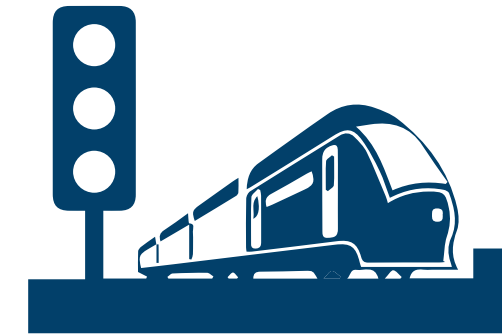
ANAA THE ALLROUNDER



RENEWABLE ENERGY



SECURITY & ALERT & SIGNALLING



RAILWAYS (ON - BOARD & SIGNAL)

OTHERS & MISCELLENOUS ...

www.anaaholding.com
www.anaa.ae



The Power Division

Batteries & Equipment

Traction / Motive Power Batteries - THE FAMILY -



The Power Division



Telecommunications

Data networks | High-speed data transmission | Wireless communication | Cable TV



Uninterruptible Power Supplies (UPS)

Traffic control | Broadcasting stations | Information systems | Process control | Scientific and medical sites | Security installations



Alarm / Security

Emergency lighting | Access control | Alarm systems | Fire alarm | Traffic lights



Power Supplies

Power plants | Switching station | Power distribution | Generator starting



Railways

Signaling systems | Electrical sub-stations | Train lighting | Railroad crossing signals | Board supply auxiliaries



Renewable Energy

Remote hybrid telecoms / signaling | Rural electrification | Wind power | Remote area power supplies (RAPS) | Photovoltaic applications



Medical / Others

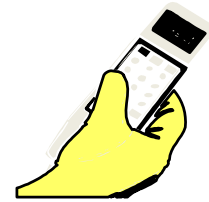
Stair lifts | Operating tables | Infusion pumps | Home dialysis | Respirators



Marine



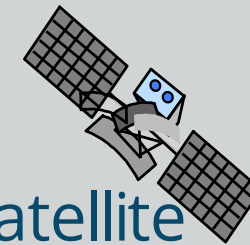
The Power Division



Wireless Communications



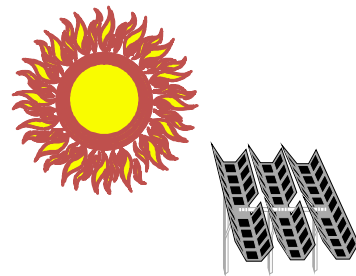
Wireline Communications



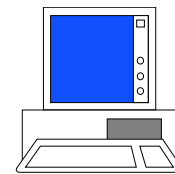
Satellite Communications



CATV



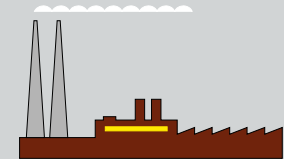
Photovoltaic/Solar Power



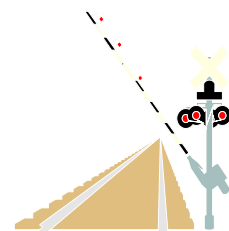
UPS



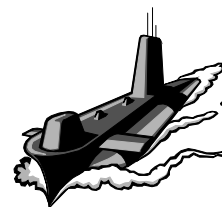
Utility



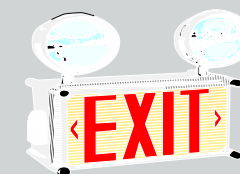
Battery Energy Storage



RR Signal



Military



Emergency Lighting



Heavy Industrial

The Power Division

EXIDE[®] / **ENERGIZING**
TECHNOLOGIES / **A NEW WORLD**

Exide Battery Solutions
Dynamic stored energy solutions

GNB Motive Power Batteries

Exide's motive power batteries and chargers are built on innovative technologies to keep your equipment and forklifts moving.



Thinking about tomorrow's needs.



www.exidegroup.com

Energized by today's solutions.



MARATHON[®]

POWERCYCLE

GNB[®]
INDUSTRIAL POWER
A Division of Exide Technologies

www.anaaholding.com
www.anaa.ae

ANAM
HOLDING LLC

The Power Division

MARATHON Classic

Marathon Classic EPzS/EPzB batteries are the ideal energy source for all material handling applications.

www.anaaholding.com
www.anaa.ae



The Power Division



- Installation inside and outside
- Battery (ies) placed directly in the bottom of the SOL'R BOX
- Technical characteristics:**
 - SOL'R BOX made of thermoplastic compound (acid resistant material)
 - High and low vents for hydrogen evacuation resulting from the charge / discharge of the battery
 - Closure with triangular lockable and lockable latch
 - Possibility to add a removable shelf
- Options:**
 - Cable glands for cable entry and exit
 - Securing of electrical outlets on the sides
 - Fixing of the load regulator on the walls possible thanks to a set of inserts + screws
 - Indicator of the state of charge of the battery (ies)
 - Wiring

Product	Height	Width	Depth	Code (grey)
SOL'R BOX S	390 mm	476 mm	300 mm	55842
SOL'R BOX xM	390 mm	600 mm	300 mm	56884
SOL'R BOX M	390 mm	900 mm	300 mm	55843
SOL'R BOX MEDIUM H	490 mm	900 mm	300 mm	56961
SOL'R BOX L	750 mm	1200 mm	300 mm	56848
With removable shelf				
SOL'R BOX S + shelf	615 mm	476 mm	300 mm	57046
SOL'R BOX M + shelf	750 mm	900 mm	300 mm	57039
SOL'R BOX L + shelf	750 mm	1200 mm	300 mm	57043



Contact us for Any other dimension



Sustainable solutions for your networks

ELECTRICITY

- Low voltage network & service entrance
 - Distribution
 - Cut off and protection
 - Meter protection
 - Apartment buildings

STREET LIGHTING

- Command enclosures
- Meter panels
- Junction boxes
- Signaling, traffic lights

INDUSTRIAL APPLICATIONS

- Switchboards
- Monitoring and control
- Protection of sensitive equipment
- Harsh environments

GAS

- Service entrance
- Cut off
- Regulation
- Meter protection

TELECOM

- Telecommunications
 - Mobile telephony
 - Broadband network
- Highway signage

WATER

- Service entrance: cut off and meter protection
 - Sanitation
 - Chlorination
 - Limnigraph

MARINA & CAMPING

- Marinas
- Camping, mobile homes

Find our products on our website: www.seifel.eu/en/

SEIFEL S.A.S.
8, Rue Claude Chapel — CS 51865 — 35418 Saint-Malo CEDEX — FRANCE
Phone: +33 2 99 21 52 08 — Fax: +33 2 99 81 95 13 — E-mail: export@seifel.fr

Protect your Energy

BATT'BOX

Use:

- On-site battery protection
- No limitation of the number of elements, depends on the configuration of the battery rack
- Outdoor installation
- The BATT'BOX covers the batteries which are placed directly on concrete slab.

Technical characteristics:

- BATT'BOX made of thermoplastic compound (acid resistant material)
- High and low vents for hydrogen evacuation resulting from the charge / discharge of the battery
- Sunroof
- Cable glands for cable entry and exit.
- Supplied as a kit (mounting instructions included).

Six standard sizes (interior dimensions):

- Batt'Box XS: H 585 x W 555 x D 510 mm
- Batt'Box S: H 485 x W 960 x D 510 mm
- Batt'Box M: H 585 x W 1635 x D 735 mm
- Batt'Box L: H 1315 x W 2040 x D 1365 mm
- Batt'Box XL: H 1315 x W 2490 x D 1680 mm
- Batt'Box XXL: H 1315 x W 2850 x D 1455 mm

Options:

- Opening and lockable front panel (with triangular latches) for battery level check
- Bottom panel to close the base of the BATT'BOX
- Retention tray to be placed under the battery racks to contain any acid leakage. This tray is fully covered by the BATT'BOX
- Fixing of the load regulator on the walls possible thanks to a set of inserts + screws
- Fan 48V DC, 165m³/h, to improve ventilation (recommended for batteries type OPzS)
- Padlocking barrel (sold individually)

Color and IP/IK ratings icons: Cream, Grey, IP 44, IK 10, 100%



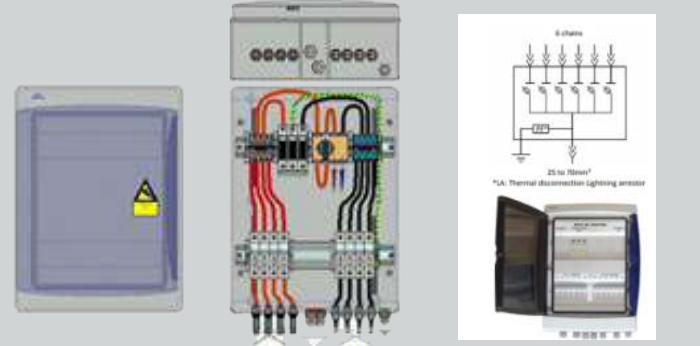
www.anaaholding.com
www.anaa.ae

Outdoor Polyester Cabinets



High Performance Outdoor Polyester Cabinets

AC & DC Cabinets



Outdoor Batteries Protection Cabinets



Outdoor Cabinets



The Kitchen Equipment Division



www.anaaholding.com
www.anaa.ae



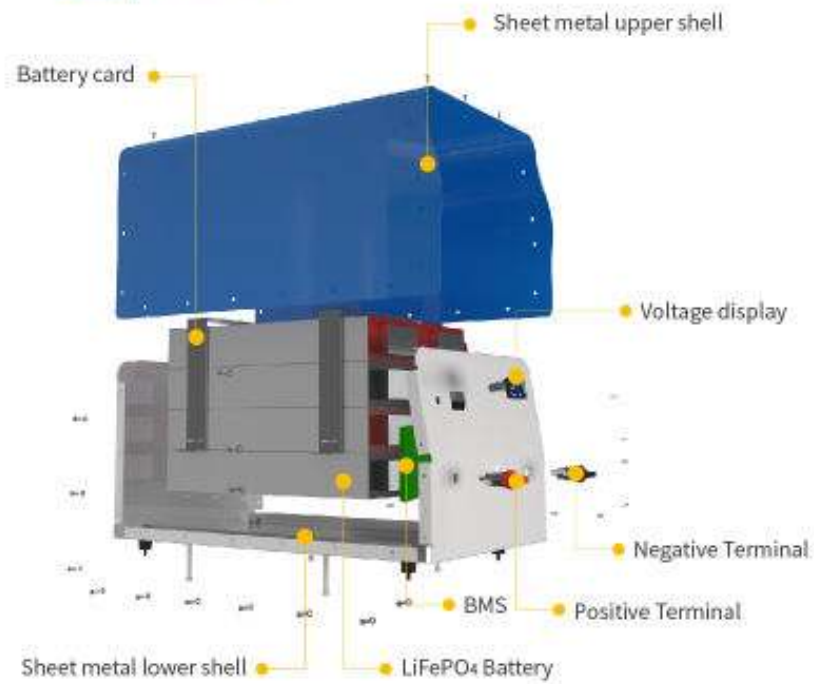
The Power Division



Blue Carbon
蓝晶易碳



Blue Carbon
蓝晶易碳



Blue Carbon
UU 12-200
LiFePO₄ Battery Pack
LITHIUM ION BATTERIES

Stored Energy **24/7** Backup Power Power the Home



www.anaaholding.com
www.anaa.ae



STAINLESS STEEL INDUSTRIES QUALITY WITH INTERGRITY

Silverline Stainless Steel has gained a reputation as a manufacturer of the first class quality products. The products are supported by an efficient, reliable delivery and professional after-sales services. Silverline's proximity to the GCC countries enables it to supply a sizeable portion of the regions requirements as well as Dubai's own domestic need. With the support of our dedicated & experienced professional team, we are enjoying good and trustworthy reputation among our valued customers regionally.



The Tools & Accessories

BRÜDER
MANESMANN
WERKZEUGE



www.anaaholding.com
www.anaa.ae

ANM
HOLDING LLC

The Tools & Accessories

STANLEY.



Lighting | Light Fittings | Lig...



Stanley Work Lights | Lighti...



LAP Rechargeable LED Wor...



All Pro LED Portable Workli...



Work Lights - Torch - Lightin...



LED Rechargeable Focus Li...



All Pro LED Portable Workli...



Work Lights - Torch - Lightin...



LED Rechargeable Focus Li...



Work Lights - Torch - Lightin...



UPS



TX90 6kVA & 10kVA Isolated Online UPS

6kVA & 10kVA

240/120VAC

Isolated online UPS provides protection from all

M90 Family, Unity Power Factor, Modular, Single Phase UPS Xtreme Power M90S and M90S Custom are scalable, modular, split-phase / single phase UPS solutions that combine the highest efficiency, continuous power availability, and unity power factor output mission-critical applications. Available capacities include 6kVA, 12kVA, 18kVA, 24kVA, 30kVA, 36kVA, 42kVA, 48kVA, 54kVA and 60kVA. All are unity power factor (kVA = kW), maximizing usable power and reducing any need to oversize the UPS.

Capacity, redundancy, battery runtime, and output distribution can all be customized to meet specific application requirements. Hot-swappable power and battery modules provide rapid maintenance and repair. M90S UPS family provides reliable 240/120V or 208/120V (2Ph+N+G) split-phase power from standard 6kVA/6kW power modules.

M90S Standard Configurations 6kVA to 24kVA



MODEL NUMBER	TX90-6K	TX90-10K
INPUT Capacity	6kVA (5.4kW)	10kVA (9kW)
Voltage (nominal)	208VAC (200VAC, 220VAC, 230VAC, 240VAC optional)	
Frequency	45–65Hz auto-sensing	
Power factor	Up to 0.99 at linear load	
Harmonic distortion	< 3% at linear load	
OUTPUT Voltage	240/120VAC or 208/120VAC* standard (other optional voltages available)	
Crest factor	3:1	
Overload capacity	105%–150% for 160 sec, 2 cycles before switching bypass	
Efficiency	97% ECO mode, 91% online mode	
BATTERY Battery type	Sealed, maintenance-free lead acid	
Battery (standard models)	(20) 12V 7AH	(20) 12V 9AH
Battery (XR models)	(20) 12V 580W	(20) 12V 580W
PHYSICAL input/output	Terminal blocks or optional PDU	
Dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	11.4 x 25.4 x 34.7 in
Weight	265 lbs	40 lbs
OPTIONAL BATTERY PACKS Battery quantity and size	EBP920–(20) 12V 9AH; EBP940–(40) 12V 9AH; EBP960–(60) 12V 9AH	
Dimensions (W x D x H)	11.4 x 25.4 x 29.5 in	



UPS

XTREME
Power Conversion®

Standby UPS - System

+ Xtreme Power, a global provider of power quality solutions, is dedicated to providing the most reliable power protection for mission critical applications.



XST Standby UPS
400VA-800VA
120VAC
Safeguard your computer from power outages with dependable power protection.

J60 Lithium UPS
350VA, 600VA
120VAC or 230VAC
Protect digital signage from spikes, surges and power outages with ultra-slim J60 UPS.



A60 Standby UPS
550VA, 850VA
120VAC
Affordable, reliable power protection

www.anaaholding.com
www.anaa.ae

ANAM
HOLDING LLC

UPS



P80 Pure Sine Wave Line Interactive UPS
800VA-3000VA
120VAC

Advanced line interactive power protection for servers and network equipment.



P80g Pure Sine Wave Line Interactive UPS
3000VA, 5000VA
208VAC or 208/120VAC

Up to 4.5kW of efficient reliable power in just 2U rack space.



V80 Line Interactive UPS
700VA-2000VA
120V

Value series line interactive power protection for servers and network equipment.



S70 Line Interactive UPS
500VA-2000VA
120VAC

Equip your office with reliable battery backup and protection from power outages.



V80Li 0.7-1.5k
700VA-1500VA
120V

Lithium-ion batteries provide longest life and reduced cost of ownership



V80 HT Line Interactive UPS
700VA-2000VA
120V

Value series line interactive power protection for harsh temperature environments.



V80 XR
700VA-2000VA
120V

Value series line interactive power protection for servers and network equipment.



S70i Line Interactive UPS
1000VA, 1500VA
230VAC

Equip your office with reliable battery backup and protection from power outages.

UPS



P91g Li 1.5-3kVA
1.5kVA-3kVA
230VAC

High performance online UPS with up to 10 year battery lifespan



P91 Li 1.5-3kVA
1.5kVA-3kVA
120VAC

High performance online UPS with up to 10 year battery lifespan



P91g 1-3kVA Online UPS
1kVA-3kVA
230VAC

Premium Power Protection for Mission Critical applications



M90S-2S Modular Online UPS
6kVA/6kW
208/120VAC Single-Phase Online UPS
Modular, Flexible UPS for Continuous Power Availability.



M90S-4S Modular Online UPS
6kVA/6kW, 12kVA/12kW
208/120VAC Single-Phase Online UPS
Modular, Flexible UPS for Continuous Power Availability.



M90S-6S Modular Online UPS
6kVA/6kW, 12kVA/12kW, 18kVA/18kW, 24kVA/24kW
208/120VAC Single-Phase Online UPS
Modular, Flexible UPS for Continuous Power Availability.



T91 Online UPS
700VA-3000VA
120VAC or 208/230VAC
Unity power factor tower UPS provides high density online power protection for unstable power conditions.



P90g Online UPS
1500VA, 3000VA
208/230VAC
Slim 2U form factor UPS delivers clean and continuous power to IT equipment during power disturbances.



P90 Online UPS
1000VA-3000VA
120VAC
Slim form factor UPS delivers clean and continuous power to IT equipment during power disturbances.



P91 1-3kVA Online UPS
1kVA-3kVA
120VAC
Premium Power Protection for Mission Critical applications



M90S Custom
24kVA, 30kVA, 36kVA, 42kVA, 48kVA, 54kVA, 60kVA
208/120VAC Single-Phase Online UPS
Modular, Flexible UPS for Continuous Power Availability.



P91 5-10kVA Online UPS
5kVA-10kVA
208/230VAC or 208/120VAC
Complete Power Protection in Less Space for High Density Loads

UPS

Isolated Online UPS



TX91L 3.8-10kVA



TX91 3.8-10kVA Isolated Online Tower UPS
3.8kVA-10kVA
208VAC

Isolated online UPS provides protection from all 10 common power problems.



TX90 Isolated Online UPS
1000VA-5000VA
230VAC or 120VAC
Online UPS with isolation transformer for complete power protection.



TX90 6kVA & 10kVA Isolated Online UPS
6kVA & 10kVA
240/120VAC
Isolated online UPS provides protection from all 10 common power problems.

UPS



E91 10-20kW Online Tower UPS
10kVA-20kVA
208/120VAC three phase UPS
Unity power factor three-phase
UPS for Edge facilities and other
critical IT applications



M90U Unity PF Modular
Online Three Phase UPS
15kVA-60kVA
208/120VAC Three Phase
Mission Critical Availability while reducing
costs with Scalable M90 Online
UPS for 15kVA, 20kVA, 30kVA,
40kVA, 45kVA, 60kVA applications.



M90U-80 Unity PF Modular
Online Three Phase UPS
15kVA-80kVA
208/120VAC Three Phase
Scalable, modular UPS for
mission critical availability



M90 Modular Online Three Phase UPS
15kVA-60kVA
208/120VAC Three Phase
Mission Critical Availability while
reducing costs with Scalable M90 Online
UPS for 15kVA, 20kVA, 30kVA,
40kVA, 45kVA, 60kVA applications.



M90L Modular Online UPS
15kVA-60kVA
208/120VAC Three-Phase
Mission Critical Availability while
reducing costs with Scalable,
Modular M90L for 15kVA, 20kVA, 30kVA,
40kVA, 45kVA, 60kVA applications.



NXTi Three-Phase Online UPS
20kVA
400VAC
An energy efficient, three-phase tower
UPS for small data center applications.



M90U-140 Unity PF Modular
Online Three Phase UPS
15kVA-140kVA
208/120VAC Three Phase
Scalable, modular UPS for
mission critical availability



M90LU Unity PF Modular
Online Three Phase UPS
15kVA-60kVA
208/120VAC Three-Phase
Mission Critical Availability while
reducing costs with Scalable, Modular M90L
for 15kVA, 20kVA, 30kVA, 40kVA,
45kVA, 60kVA applications.



M90-80 Modular
Online Three Phase UPS
15kVA-80kVA
208/120VAC Three Phase
Mission critical availability
with scalable, modular, high density
M90-80 for 15kVA to 80kVA applications



M90-140 Modular
Online Three Phase UPS
15kVA-140kVA
208/120VAC Three Phase
Mission critical availability
with scalable, modular, high density
M90-140 for 15kVA to 140kVA application



E90 Online Tower UPS
10kVA-20kVA
208/120VAC three phase UPS
Reliable E90 UPS provides
online power protection in a compact footprint



R91 Three-Phase Online UPS
20kVA/18kW
415/240VAC, 400/230VAC,
380/220VAC Three-Phase
18kW of efficient and reliable
power in just 5U of rack space

UPS

Power Distribution



**XPDS Surge
120V**
Rack surge protector designed to safeguard Audio-Visual, Telecom, and Security Equipment

**Isolation PDU
1.5kW to 10kW**
208/240V input and 120/208/240V output
Rack isolation transformer solutions designed to meet the voltage and power quality requirements



**SPD Switchable
120VAC**
Switchable rack power distribution solutions designed to meet the needs of any data center or wiring closet



**XPDU Power Distribution Unit
15A, 20A, 30A, 50A**
Rack power distribution solutions designed to meet the needs of any data center or wiring closet.



PowerLOK Power Distribution Unit
Single-Phase and Three-Phase
Greater Reliability and Advanced Functionality Power Distribution



**J40 Ultra-Slim Surge PDU
10A**
Protect digital signage from spikes and surges with ultra-slim J40 surge PDU.

Portable Cooling



XC Portable Cooling
13,200 BTU/H, 21,000 BTU/H, 29,000 BTU/H
Protect critical electronics from high temperature environments.



CoolCube 12 Portable Cooling
12,000 BTU/H
Modular air conditioning for critical electronics.

UPS



- + CENTIEL is a Swiss-based technology innovation company with a highly experienced team of designers, who have developed the first 3 phase-modular fault-tolerant UPS-system.
- + “The company’s resources and expertise are focused on improving the performance of our product solutions and services, to exceed our customer’s expectations.”



Essential Power X1 RT



Premium Tower

Uninterruptible Power Supply with the highest availability.



Cumulus Power

Highly scalable, unbeatable efficiency and compact design



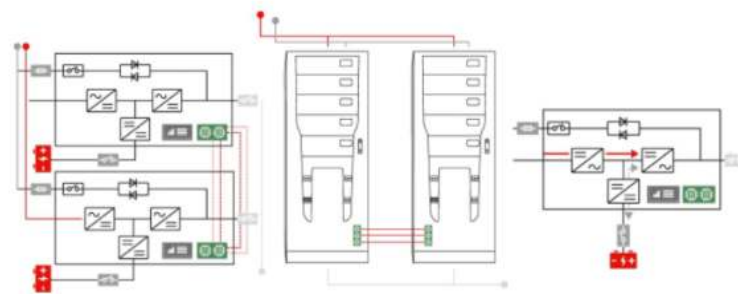
EssentialPower is The On-Line, true double-conversion, single phase Uninterruptible Power Supply.



UNINTERRUPTIBLE POWER SUPPLY WITH THE HIGHEST AVAILABILITY



Availability



Product Line

INTELLIGENT MODULES

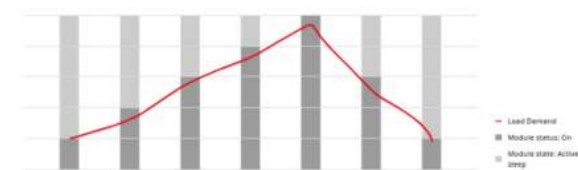


IM10	IM20	IM25
10 kVA/KW	20 kVA/KW	25 kVA/KW



IM50	IM60
50 kVA/KW	60 kVA/KW

Total Cost of Ownership



MAXIMUM EFFICIENCY MANAGEMENT (MEM)

Use energy only when it is needed. CumuluxPower™ produces the minimum amount of energy (kWh) that uses as many modules as necessary to match the load demand. With space for the most optimal energy efficiency point. If load demand decreases and a lower number of modules can handle the load, online managing technology, the superfluous modules enter into a sleep mode to minimize overall energy consumption. Active sleep modules are ready to instantly wake any load when it rises.

REDUCE YOUR ENERGY BILLS YOU REDUCED YOUR ENERGY CONSUMPTION ON POWER PROTECTION AND ILL

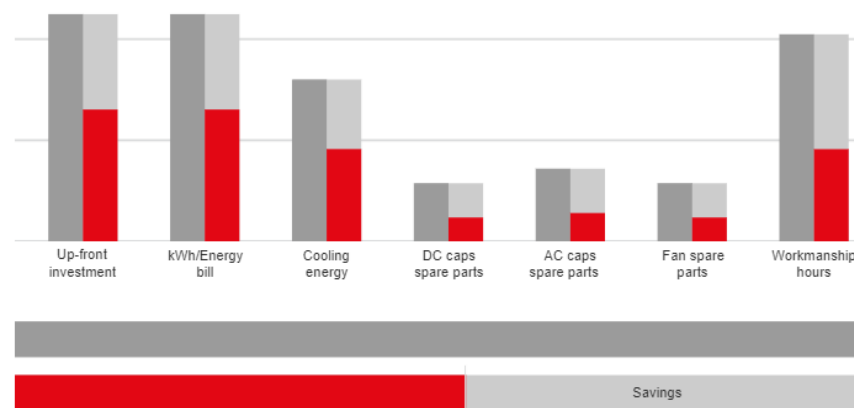
EASY REPLACEABLE PLUG AND PLAY COMPONENTS

Due to technology reasons, AC capacitors need a periodic replacement. This preventive maintenance is important to guarantee availability. Cumulux has designed an easy-to-maintain mechanism that simplifies the process while reducing the total cost of the operation.

REDUCTION COSTS ON DC CAPACITORS MAINTENANCE

DC capacitors are normally replaced every 8 to 10 years. CumuluxPower's DC bus is designed to have DC capacitors last for a minimum of 20 years without the need of replacement. That's

Once installed
kWh cost
Total Cost



MODEL	CAB-CP050-1080-A1 CAB-CP050-1240-A0	CAB-CP100-E-A1 CAB-CP100-1320-B0	CAB-CP150-E-A0	CAB-CP250-E-B0
Topology/Technology	Online double conversion/DARA (Distributed active redundant architecture)			



MODEL	CAB-CP300-E-B0	CAB-CP600-E-D0
Module Type	IM50/IM60	IM50/IM60
Nominal Power per Frame (kVA/kW)	50/60	50/60
Max Power per Frame (kVA/kW)	300	600
Number of modules per frame	1-5	1-10
Max power per system (kVA/kW)	3600	3600
Max number of modules per system	1-60	1-60
Topology/Technology	Online double conversion/DARA (Distributed active redundant architecture)	

PremiumTower™

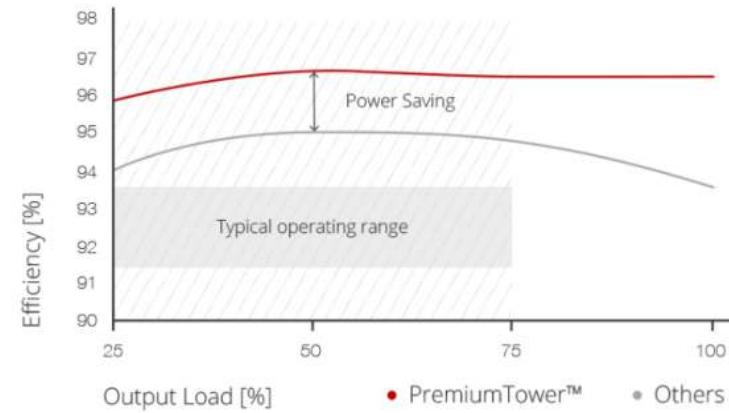
HIGHLY SCALABLE, UNBEATABLE EFFICIENCY AND COMPACT DESIGN

- + Unbeatable efficiency 96.6% (VFI)
- + Increased nominal rating (kW = KVA)
- + Near unit input power factor at full or partial loads
- + Compact mechanics with only 0.36 m² for 120 kW
- + Ease of service with front access only
- + 5 times higher charging current than typical stand alone UPS
- + Power density Up to 415 KW/m²



Lowest Total Cost of Ownership

HIGH EFFICIENCIES IN PARTIAL AND RATED LOADS



HIGH EFFICIENCIES IN VFI AND ECO MODE

PremiumTower provides optimized partial and full load efficiencies of up to 96.6% in online double-conversion mode. In Ultra-Safe ECO mode the UPS provides an excellent power quality with 99.4% efficiency.

MINIMIZED FOOTPRINT (SAVE OF VALUABLE FLOOR SPACE)

PremiumTower optimizes valuable floor space, from 0.29 m² (for 10 - 60 kW) to 0.6 m² (for 250 kW). Internal battery options (10 - 60 kW) eliminate the cost of additional battery cabinets and simplifies the installation.

Efficiency VFI
Up to
96,6%

Communication Features



Remote monitoring

Graphical display

Generator operation mode

Auxiliary contacts

Output general alarms

Dry contacts

Programmable input and output

Dry contacts

Compensated battery charging

Temperature probe

SNMP, Modbus, ModBus over IP

Slide-in adaptors

Simplified service

RS232 and Bluetooth app

Communication Features



Remote monitoring

Graphical display

Generator operation mode

Auxiliary contacts

Output general alarms

Dry contacts

Programmable input and output

Dry contacts

Compensated battery charging

Temperature probe

SNMP, Modbus, ModBus over IP

Slide-in adaptors

Simplified service

RS232 and Bluetooth app

Advanced Performance



HIGH RELIABILITY BY DESIGN

Three independent power converters increase system reliability and provide power continuity even in cases of power component failure.



HIGH BATTERY CHARGING CURRENT

With the ability to provide up to 5 times more charging current than typical standalone, PremiumTower reduces the total system cost by eliminating the need for external battery chargers.



OUTSTANDING OVERLOAD CAPACITY

With a 120% continuous operation in overload condition, mission-critical applications can be safe in the event of unexpected load demands.



SHORT CIRCUIT CAPABILITY

With a Short Circuit capability of 3 times nominal current (3 x In), PremiumTower is able to clear output circuit protection in milliseconds.

Maximized Flexibility



INTEGRATED AUTONOMIES AND MATCHING BATTERY CABINETS

Up to 160 battery blocks can be fitted in the PremiumTower (10 to 60 kW), reducing the total footprint and optimizing costs. For higher ratings and extended runtime, matching battery cabinets are available.



DUAL OR SINGLE INPUT FEED

PremiumTower can be supplied with two independent AC sources to further increase the power availability of the installation.



FLEXIBLE BATTERY BLOCKS

The flexibility in the number of battery blocks (20 to 50), eliminates the need to oversize the batteries and allows system designers to optimize cost versus autonomy time.



COMPATIBLE WITH DIFFERENT BATTERY TECHNOLOGIES

Lead acid, Gel, NiCd, Flywheels, Lithium and other types of energy accumulators can be used with PremiumTower™.

Flexible Battery Blocks

20 to 50



EssentialPower™ X1 RT

The Single Phase
from 1 to 20 kVA

EssentialPower™, The Single Phase

ESSENTIALPOWER IS THE ONLINE, TRUE DOUBLE-CONVERSION, SINGLE PHASE UNINTERRUPTIBLE POWER SUPPLY.

From 1 to 20 kVA, EssentialPower provides the most flexible and reliable solution ideal for small network devices, servers, point-of-sale, work station clusters and light-industrial installations. EssentialPower satisfies any entry-level mission critical application demanding high availability and flexibility.



Flexibility for Any Application

From 2U to 5U, mono-mono or Tri-mono, EssentialPower™ can be used as standalone Tower or Rack-mounted UPS on any mission critical application.

EssentialPower™ offers built-in internal batteries from 1 to 6kVA, and the possibility to connect up-to 4 matching battery cabinets for autonomies of up to 4 hours.

Reliability

TRUE-ONLINE DOUBLE CONVERSION, PURE SINEWAVE OUTPUT

RELIABLE DIGITAL POWER CONVERSION ARCHITECTURE

WIDE RANGE INPUT WINDOW FROM 110 - 300VAC

EXTENDED BATTERY LIFE I - U (DIN 41773)

PATENTED BACKUP RUNTIME ESTIMATION ON LCD



Ease of Service

FRONTAL ACCESS BATTERY REPLACEMENT

CLEAN AND CLEAR USER-FRIENDLY DISPLAY

RECORDS EVENT LOG AND ALARMS UP TO 500

PERSONALIZATION & INTELLIGENT SELF-DIAGNOSTIC

EASY FIRMWARE FLASH UPGRADE

MANUAL MAINTENANCE BYPASS SWITCH (OPTIONAL)



Benefits

Standalone Tower or 19" Rack-mount configurations

Connectivity: USB, RS-232, potential-free contacts

EPO contact inputs for remote shutdown

Cold start

Parallel operation from 6 kVA to 20 kVA

Frequency converter operation (50 Hz or 60 Hz)

Connect up-to 4 battery modules to achieve hours of autonomy times

Rotatable display

UPS

Standalone or Rack-mount Configurations

1-6 kVA
2U



10 kVA
3U



6 kVA with Batteries
4U



15-20 kVA
5U



**SWISS
MADE**

1-6KVA [2U]



10KVA [3U]



6KVA with
Batteries [4U]



15-20KVA [5U]



Battery Autonomy

2U
EPBAT12 | EPBAT06



3U
EPBAT20



ESSENTIALPOWER™ 11RT	1KVA	2KVA	3KVA	6KVA	10KVA
UPS TYPE	UPS-EP001-11-103-2U UPS-EP001-11-103-2US	UPS-EP002-11-106-2U UPS-EP002-11-106-3US	UPS-EP003-11-106-2U UPS-EP003-11-106-4US	UPS-EP006-11-E-2U UPS-EP006-11-I20-4U	UPS-EP010-11-E-3U
Battery Cabinet	CAB-EPBAT06-100-2U	CAB-EPBAT12-100-2U	CAB-EPBAT12-100-2U	CAB-EPBAT20-100-3U	CAB-EPBAT20-100-3U
Battery Type	7Ah / 9Ah	7Ah / 9Ah	7Ah / 9Ah	7Ah / 9Ah	7Ah / 9Ah
UPS	5 / 7	5 / 7	43 / 4	N.A.	N.A.
UPS + 1 EPBATxx	27 / 35	25 / 32	15 / 20	6 / 8	3 / 4
UPS + 2 EPBATxx	54 / 69	50 / 64	31 / 40	17 / 22	6 / 11
UPS + 3 EPBATxx	83 / 106	77 / 98	49 / 63	30 / 39	15 / 19
UPS + 4 EPBATxx	114 / 146	96 / 135	68 / 87	44 / 57	23 / 29

ESSENTIALPOWER™ 31RT	10KVA	15KVA	20KVA
UPS TYPE	UPS-EP010-31-E-3U	UPS-EP015-31-E-5U	UPS-EP020-31-E-5U
Battery Cabinet	CAB-EPBAT20-100-3U	CAB-EPBAT20-100-3U	CAB-EPBAT20-100-3U
Battery Type	7Ah / 9Ah	7Ah / 9Ah	7Ah / 9Ah
UPS	N.A.	N.A.	N.A.
UPS + 1 EPBATxx	3 / 4	<2 / 2	<1 / 1
UPS + 2 EPBATxx	9 / 12	5 / 7	3 / 4
UPS + 3 EPBATxx	17 / 22	9 / 12	6 / 8
UPS + 4 EPBATxx	25 / 32	14 / 18	9 / 12

Standalone or Rack-Mount Configuration

www.anaaholding.com
www.anaa.ae



Contact Us

DUBAI (MAIN OFFICE)

The Light Commercial Tower

Office 403. P.O Box: 476172

Arjan – Dubai / UAE

contact@anaaholding.com

Phone : 00971 (0) 45 870 333

Mobile : 00971 (0) 56 137 4885

ABU DHABI WAREHOUSE

Mussafah 32/1

Abu Dhabi – United Arab Emirates

17th Street

contact@anaaholding.com



DUBAI

Jumeriah Lake Towers

Al Thouraya 5th

Jumeirah Bay Tower X2

P.O Box: 476172, Dubai – UAE

contact@anaaholding.com

Phone : 00971 (0) 45 870 333

Mobile : 00971 (0) 56 137 4885

DUBAI WAREHOUSE

Al Quoz

Industrial Area 2

P.O Box: 476172

contact@anaaholding.com

www.anaaholding.com
www.anaa.ae

