

Marine Power Supplies | AC UPS | DC Battery Charger



→ *Safe solutions
for your vessels*



A E E S

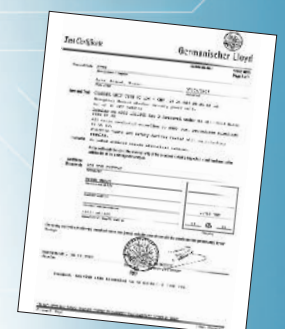
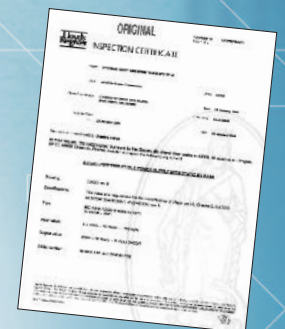
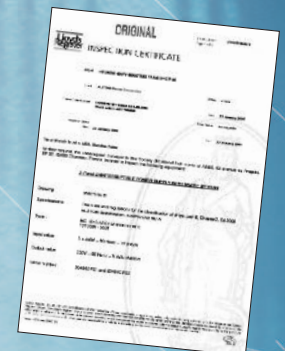
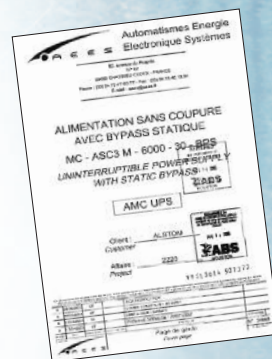
→ For each ship destination

→ Product certifications

Cruisers, dry cargos,
shuttle tankers, FPSO,
oil tankers, LNG, drilling
rigs, ice breakers, MPU
heavy lifters, ro ro trailers,
ammunition ships,
destroyers, fishing boats,
towing boats,...



Approvals by
American Bureau
of Shipping,
Bureau Véritas,
Det Norske Veritas,
Germanischer Lloyd,
Lloyd's register, RINA, CCS, RMRS...



AC UPS



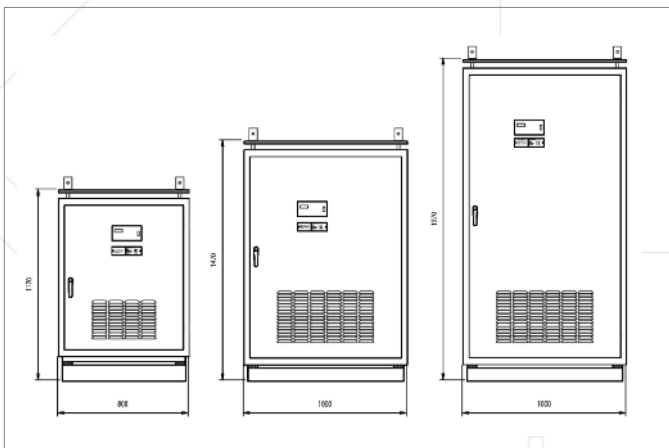
2kVA / 230 V AC UPS

→ range

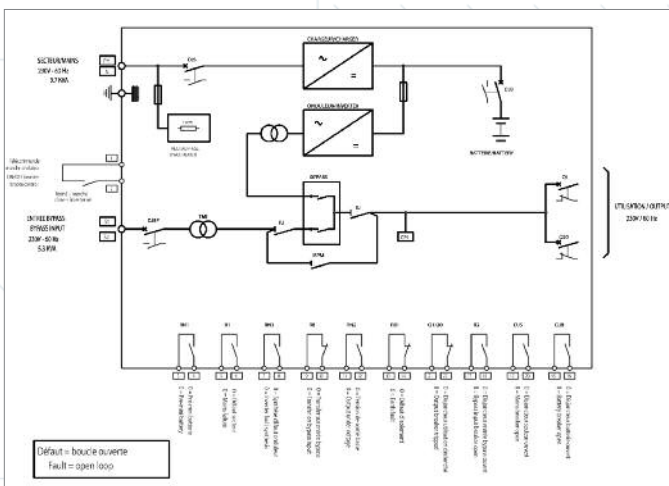
Input voltage	Output: 230 V 60 Hz single phase				
230V 60 Hz 1 phase	2 kVA	3 kVA	4.5 kVA		
400V 60 Hz 3 phases				8 kVA	10 kVA

- Output power rated at 0.8 P.F.
- Overload capability: 130% for 2minutes w/o transfer
- Back up time: 30 min
- Battery type: SLA housed in the UPS cabinet
- Protection: IP 23
- Cable entry from the bottom or the top
- Full galvanic isolation with ground fault alarm
- Built-in distribution with 6 to 40 double pole MCB and auxiliary contact
- Full MCB protection devices (input, output and battery)
- Double incoming feeder
- Multiple alarms available for easy maintenance

→ A complete range



→ Synoptic



→ options

- Cabinet IP44 (machinery / below sea level)
- Separate cabinet for extended back-up time
- NiCd battery
- ESD function (emergency shut down)
- Input voltage: 380V - 440V - 480V - 690V
Taps $\pm 5\%$
- Output voltage: 120V
- Frequency: 50 Hz (input and output)
- Customized colour
- EMC « B class » - EN60533 / EN 60945

→ special features

- Complete UPS in one cabinet (bypass - isolation transformer - distribution - battery)
- Cold start capability
- Large input voltage and frequency tolerance w/o transfer
- Operation from 0 to 50°C
- Very robust installation: weldable bottom and bolted top
- Battery test against weak battery or open circuit

DC Battery Charger

→ range

Output voltage	Single phase input voltage				3 phase input voltage		
	40 A	60 A	80 A	100 A	150 A	200 A	300 A
24 V							
110 V		18 A	30 A		150 A	200 A	300 A

BV type approval n°08412/DO up to 24V 100A
DNV type approval n°E-9997 110V rating 18 to 30A

Other agency or product certification available

Input: 230V or 400V 50/60 Hz single phase
 400V 50/60 Hz three phase

Back up time: 30 min

Battery type: SLA long life or NiCd

Protection: IP 23

Cable entry from the bottom or the top

Full galvanic isolation with ground fault alarm

Built-in distribution with 6 to 15 double pole MCB and auxiliary contact

Full MCB protection devices (input, output and battery)

Double incoming feeder

Multiple alarms available for easy maintenance

→ options

Cabinet IP44

Double doors (reduced depth)

Separate cabinet for extended back-up time

ESD function (emergency shut down)

Input voltage: 380 V - 440 V - 480 V - 690 V

Output voltage: 12V - 48V - 220Vdc

Paralleling diode

Customized colour (RAL, MUNSÉLL)

Other backup time

→ special features

Operation from 0 to 50°C

Very robust installation: weldable bottom and bolted top

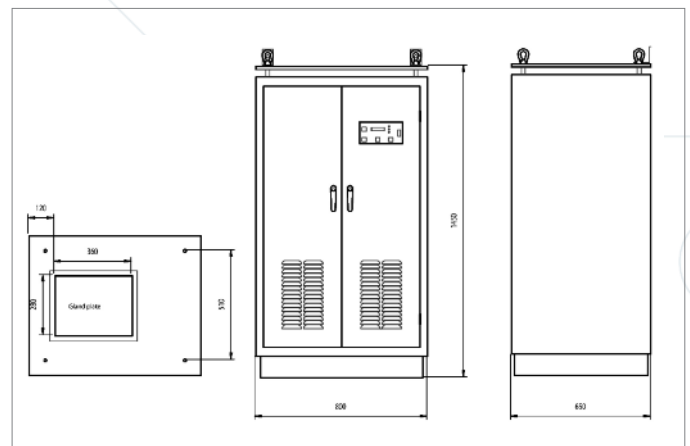
Battery test against weak battery or open circuit

Total front access for easy maintenance

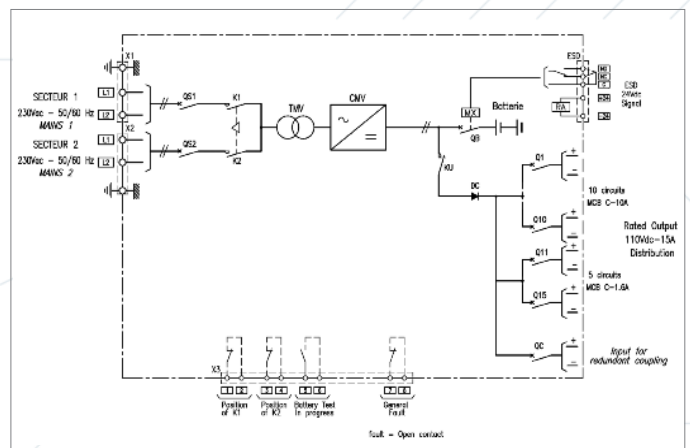


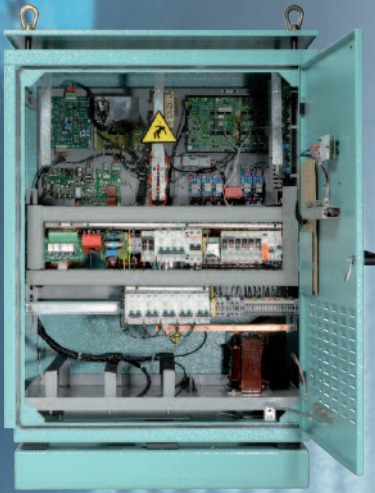
Multiple 30 A charger - Type approved

→ Custom cabinet size



→ Synoptic





Our services teams will support you wherever you cruise

Our policy is to offer you ways to develop your services. Spares, trainings, trouble-shooting guides can be designed to your needs. Added to your own services, they will bring a real value to your customers.

However, our teams will also jump on a plane to provide you a total assistance when needed, wherever your ships touch land. Diagnosis, repair, maintenance or retrofits are implemented by our high skilled technicians you can safely rely on.

Even though AEEs marine products are famous for their rugged design and reliability, you know that they will be used in difficult environmental conditions for decades. Our support will offer you a valuable peace of mind.



Our references in marine applications

mitsubishi heavy industry Japan - CHANTIERS DE L'ATLANTIQUE France - EMPRESA NATIONAL BAZAN Spain - DSME Korea - FINCANTIERI Italy - NASSCO USA - LITTON INGALS USA - HYUNDAI HEAVY INDUSTRY Korea - WK MARINE SERVICES COMPANY LTD UK - NORVEGIAN PARTNERS MARINE A.S. Norway - MEYER WERFT Germany - MALAYSIAN SHIPYARD AND ENG. JOHOR Malaysia - KEPPELS SHIPYARD Singapore - DCN France - LLOYD WERFT BREMERHAVEN Germany - YANTAI RAFFLES OFFSHORE China - SEVERNAYA SHIPYARD Russia

Ships serving

BP - BOURBON - CARNIVAL - FRIGSTAG OFFSHORE - KEPPEL - LUKOIL - OCEANIA - PETROBRAS - ENI - US NAVY - TOTAL - PETRONAS - NORVEGIAN CRUISE ...



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