

Acrastyle's range of battery charging solutions are designed to meet various applications from small compact systems to large bespoke complex installations and to meet the most demanding requirements.

Cabinets

Heavy duty front access cabinets are provided with:

- IP44 rating as standard. Cabinets with an IP54 rating are available on request.
- Vents allowing for fan-less cooling.
- Optional glazed doors
- Top or bottom cable entry



Bespoke options, sizes & colours available upon request



User Interface

This is provided via a multi-function digital alarm unit with built in LCD text based descriptions and separate coloured LED alarm indications allowing for effective monitoring.

Chargers

The chargers are fully rated to supply both the standing load & future load, whilst float charging the battery. They have a short term overload capability of 110%. Various configurations are available including:

- Single charger
- Two chargers working in parallel and rated at 50% full load
- Two chargers in parallel each rated at full load in duty / standby mode
- Two chargers in parallel each rated at full load but sharing the load and providing redundancy.

All chargers are current limited and are factory set to customer requirements. Current outputs are available from 6 amps to 400 amps and a choice of a single output voltage of 24, 30, 48, 110 or 220 volts DC.

Battery Charging Solutions

Distribution

The distribution section comprises sets of either fuse and link output circuits or alternatively MCBs. The fuses are of the HRC cartridge type and are in accordance with BS 88, rated from 2 amps up to 200 amps. Dedicated DC rated MCBs are available with a rating from 1 amp up to 700 amps for each circuit.

Outputs are supplied in modular blocks to allow for customer configuration and future expansion. In addition to the above, the following can also be included:

- Temporary input connections
- Load ammeters and voltmeters
- Link isolators allowing different distribution boards to be linked together
- Mechanical and / or electrical interlocks allowing isolation and linking in only pre-determined conditions and sequences

Batteries

These can be provided as:

- Plante acid cells with a 25 year design life
- Heavy duty valve regulated lead acid cells with a 10 year design life at an ambient operating temperature range between 5°C and 25°C.
- Nickel cadmium batteries

Batteries are supplied with inter-cell links and supplied charged ready for use. Battery capacity up to 400Ah are supplied as standard, higher capacities are also available.

Battery & Charger Isolation Units

These units are available to provide isolation during servicing and maintenance. They can be either wall mounted or floor standing and usually contain BS88 fuses or NH fuses. DC rated MCBs are available as an option.

Battery Support Stands

Battery support stands are of a modular steel construction with levelling feet. Acid resistant paint can be supplied. The stands are available in various configurations depending on cell size and available space.

Key Features:

- Adaptable design
- 19" rack design cubicle
- Modular system
- Charger output ranges from 24V to 220V
- Battery capacity of up to 400Ah as standard
- LCD & LED multifunction digital alarm unit
- Access to all critical components
- Top and bottom cable access available
- Various distribution options
- Easy to maintain and operate

*"...small compact systems to large
bespoke complex installations..."*