ELECTRICAL SWITCHGEAR SERVICES LTD

Product Brochure

All Our Switchgear is Manufactured in accordance to BSEN61439-1 & 2 2021 Appendix D.

Tel: 01709 781 420 Email: sales@essltd.uk.com www.essltd.uk.com

ELECTRICAL SWITCHGEAR SERVICES LTD



We Are ESS

Founded in 2004, Electrical Switchgear Services Ltd provide specialist engineering solutions to the LV Distribution Industry in the Retail, Commercial and Industrial sectors.

With over 30 years' experience in the Manufacturing, Installation, Testing, Commissioning and Servicing of L.V. Switchgear, we offer a comprehensive service committed to quality craftsmanship, value and customer care.

We are recognised as a highly competitive and effective business within this industry that work nationwide.

Since trading commenced in 2004, we have acquired and maintained very reputable client contracts as a result of our continued commitment, dedication, value and customer focus.

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LV Switchboards

Example Shown includes:

5000A Main LV Switchboard

16 meters in length

Form 4 Type 2 Front Access Switchboard



- 5000A Main Busbars
- Schneider
  - ACB
  - MCCB's
- Rayleigh Metering
- First Power Surge Protection Type 1&2

Manufacturers of LV Switchboards Up to 6300A 4 Pole

Up to 100KA for 1 second Fault rating ASTA Certified

Form 4 type 2/3/5/6 & 7 Front & Rear Access.

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Package Substations

Example Shown includes:

11Kv Package Substation

Form 4 Type 6 Front Access Switchboard

- 11Kv Cast Resin Transformer
- Schneider
  - ACB
  - MCCB's
- ESS Power Factor Correction
- Rayleigh Metering





Manufacturers of Package Substations Up to 6300A 4 Pole

Up to 100KA for 1 second Fault rating ASTA Certified

Form 4 type 2/3/5/6 & 7 Front & Rear Access.

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LV Panel Boards

Example Shown includes:

6Way 800A LV Panel Board

Form 3B Type 2 Front Access Panel Board

- 800A Main Busbars
- Schneider
  - Powerpact 4 Panel Board
  - MCCB's
- Northern Design
- First Power Surge Protection



Manufacturers of LV Panel Boards Up to 800A 4 Pole

Up to 50KA for 1 Second fault Rating

3Way to 36Way TPN Form 3B type 2 Front Access.

Schneider, Hager & ABB

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DB's

Example Shown includes:

125A DB

Form 2 Front Access

- 125A Internal Spine
- Schneider
  - Distribution Board
  - MCB
- Schneider Metering



Manufacturers of Distribution Boards

Final Distribution and Split Power, Mechanical and Lighting Boards

Schneider and ABB

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ATYS

Example Shown includes:

Up to 160A Single & Dual Bypass

600mm wide x 800mm High

Form 2 Front Access

- Socomec
  - ATYS Unit
  - Isolators
  - Bypass Switch



Manufacturers of ATYS Units

Standard, Single Bypass & Dual Bypass ATYS Units

Custom Built to Customer Requirements

Socomec Parts throughout

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MSDB's

Example Shown includes:

160A

Form 2 Front Access

- 160A
- ABB
  - Isolator
- Henley
  - Fuses



Manufacturers of MSDB's

Back of case pre-punched for wall fixing

Custom Built to Customer Requirements

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PDU's

Example Shown includes:

400A

Form 4 Type 2 Front Access

- 400A Main Busbars
- Schneider
  - Pan assembly DB 24W
  - MCCB's
- Northern Design Metering



Manufacturers of Power Distribution Units

Custom Built to Your Requirements

PDU Available as Stand-Alone Units or Integral to Switchgear.

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PFC's

Example Shown includes:

Standalone 160A 50KVAr PFC

Form 4 Type 2 Front Access

- 160A Main Busbars
- ABB
    - Fuse Switch
- Power Capacitor PFC

Electronicon PFC Metering



Manufacturers of Power Factor Correction Units

Custom Built to Your Requirements

PFC Available as Stand-Alone Units or Integral to Switchgear.

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REC CT Chamber

Example Shown includes:

SSE CT Chamber

Front Access

- SSE CT Chamber

1250A Rated



Manufacturers of CT Chambers

All CT Chambers are Manufactured to REC Standards

CT Chambers can be Stand Alone or Built Integral to Switchgear

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Control Panels

Example Shown includes:

DSE 335 Control Panel

Front Access

- DSE 335 Controller
- Relays
- Weidmuller Battery Charger
- Fuses & Fuse Terminals



Manufacturers of Control Panels

Deep Sea & Comap with the option of G99 Synchronization

Custom Built to Customer Requirements

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Generator Connection Panels

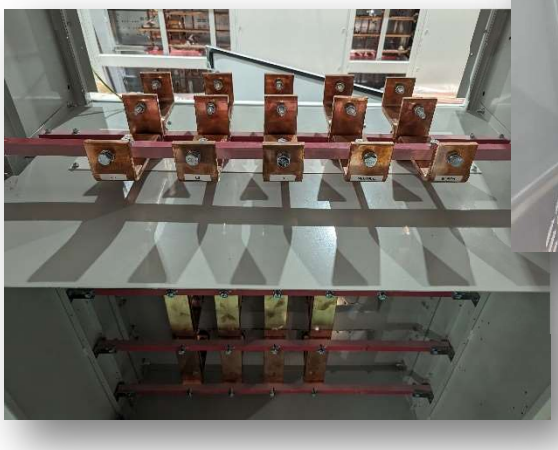
Example Shown includes:

3200A Gen Connection Panel

Front Access

- Power lock plugs
- IP31





Manufacturers of Generator Connection Panels

Power lock Plugs IP67 Rated with copper work for cable connections

Custom Built to Customer Requirements

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Active Harmonic Filtering

Example Shown includes:

Panel Integrated 400A Rated AHF

Front Access

- Merus Power Harmonic Filtering
- Schneider 400A MCCB TP&N

Chipsee Module Metering.



Manufacturers of Active Hamonic Filter units

Custom Built to Your Requirements

AHF Available as Stand-Alone Units or Integral to Switchgear.

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ELECTRICAL SWITCHGEAR SERVICES LTD

Site & Transport

ESS Provide the following Services.

- Installation of Switchgear
- Switchgear Modifications
- Switchgear Maintenance & Servicing
- Inspection & Fault Finding
- Testing
- Surveys
- All Types of Monitoring
- In House Haulage and HIAB
- On Site Training
- Customer Support





Electrical Switchgear Services carry out switchgear modifications throughout the UK.

All work can be achieved in normal and out of hours working.

Risk and Method Statements Available for all works.

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Fabrication

ESS Provide the following Services.

- Custom Steelwork
- Powder Coating
- Welding
- IP65 Enclosures
- Joint Boxes
- Custom Copperwork










Electrical Switchgear Services Fabrication Works with Steel Bending machines EMK355NT Punch and a Lazer CNC Machine all from Amada.

We also have Boschert Copper machine working alongside Sterli Bender and Twisting machine.

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Other Products

At ESS we also supply the following:

- GRP Housings
- Feeder Pillars
- Busbar Trunking
- Battery Tripping units









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