



EV Supply Solutions

Distribution Pillar Range

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As the demand for Electric Vehicles increases, there is a growing requirement for the implementation of accessible charge points. The resulting strain EV charging has on our electrical network is driving the need for a step-change in power infrastructure, meaning safe and adaptive connection solutions are vital.

As one of the UK's leading suppliers of pre-wired power distribution enclosures, we have developed a standard range of pillars that will support EV charge point requirements that fall into the four categories of main current rating: 100 Amp, 200 Amp, 400 Amp and 630 Amp, providing a link between the DNO and EV charge points. The configuration of all EV pillars in this range can be upgraded once installed to meet future demand requirements.

3-Phase AC Supply: 100 Amp

| Pillar Type | FORTRESS SIZE 14 | | | |
|---------------------------------------|------------------|----------------|----------------|----------------|
| Part number | EV1008007 | EV1003022 | EV1002043 | EV1001050 |
| Rating | 7kW (40A SPN) | 22kW (40A TPN) | 43kW (63A TPN) | 50kW (80A TPN) |
| No. of charge points per pillar | 8 | 3 | 2 | 1 |
| Dimensions: Height, Width, Depth (mm) | 1300/1250/450 | 1300/1250/450 | 1300/1250/450 | 1300/1250/450 |
| Weight | 250 kg | 250 kg | 250 kg | 250 kg |
| Main incomer (MCCB) | ✓ | ✓ | ✓ | ✓ |
| Mild steel: Hot dip galvanised 3mm | ✓ | ✓ | ✓ | ✓ |
| Lock type | Wedgelocks | Wedgelocks | Wedgelocks | Wedgelocks |
| Anti-condensation heater | ✓ | ✓ | ✓ | ✓ |



Our 100 Amp supply pillar is the smallest pillar within our range and is available in four different configurations. These pillars cover 7kW supplies through to 50kW, with a differing number of connections on each solution.



3-Phase AC Supply: 200 Amp

| Pillar type | FORTRESS SIZE 24 | | | |
|---------------------------------------|------------------|----------------|----------------|----------------|
| Part number | EV2001607 | EV2006022 | EV2004043 | EV2003050 |
| Rating | 7kW (40A SPN) | 22kW (40A TPN) | 43kW (63A TPN) | 50kW (80A TPN) |
| No. of charge points per pillar | 16 | 6 | 4* | 3* |
| Dimensions: Height, Width, Depth (mm) | 1600/1250/450 | 1600/1250/450 | 1600/1250/450 | 1600/1250/450 |
| Weight | 275 kg | 275 kg | 275 kg | 275 kg |
| Main incomer (MCCB) | ✓ | ✓ | ✓ | ✓ |
| Mild steel: Hot dip galvanised 3mm | ✓ | ✓ | ✓ | ✓ |
| Lock type | Wedgelocks | Wedgelocks | Wedgelocks | Wedgelocks |
| Anti-condensation heater | ✓ | ✓ | ✓ | ✓ |

* Use of load management on chargers required



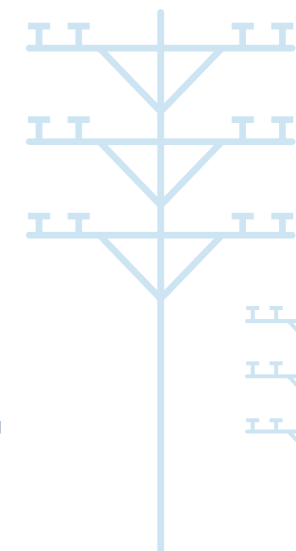
The 200 Amp supply pillar within our range is available in four different configurations. These pillars cover 7kW supplies through to 50kW, with a differing number of connections on each solution.

3-Phase AC Supply: 400 Amp

| Pillar type | FORTRESS SIZE 40 | | | |
|---------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Part number | EV4001222 | EV4008043 | EV4005050 | EV4002120 |
| Rating | 22kW (40A TPN) | 43kW (63A TPN) | 50kW (80A TPN) | 120kW (250A TPN) |
| No. of charge points per pillar | 12 | 8* | 5* | 2* |
| Dimensions: Height, Width, Depth (mm) | 2200/2850/600 | 2200/2850/600 | 2200/2850/600 | 2200/2850/600 |
| Weight | 400kg | 400kg | 400kg | 400kg |
| Main incomer (MCCB) | ✓ | ✓ | ✓ | ✓ |
| Mild steel: Hot dip galvanised 3mm | ✓ | ✓ | ✓ | ✓ |
| Lock type | Barlock (3 point) | Barlock (3 point) | Barlock (3 point) | Barlock (3 point) |
| Anti-condensation heater | ✓ | ✓ | ✓ | ✓ |

* Use of load management on chargers required

The 400 Amp supply pillar within our range is available in four different configurations. These pillars cover 22kW supplies through to 120kW, with a differing number of connections on each solution.



Our 630 Amp supply pillar is the largest pillar within our range and is available in four different configurations. These pillars cover 22kW supplies through to 120kW, with a differing number of connections on each solution.

3-Phase AC Supply: 630 Amp

| Pillar type | FORTRESS SIZE 40 | | | |
|---------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Part number | EV6301822 | EV6301043 | EV6307050 | EV6303120 |
| Rating | 22kW (40A TPN) | 43kW (63A TPN) | 50kW (80A TPN) | 120kW (250A TPN) |
| No. of charge points per pillar | 18 | 10 | 7 | 3 |
| Dimensions: Height, Width, Depth (mm) | 2200/2850/600 | 2200/2850/600 | 2200/2850/600 | 2200/2850/600 |
| Weight | 400kg | 400kg | 400kg | 400kg |
| Main incomer (MCCB) | ✓ | ✓ | ✓ | ✓ |
| Mild steel: Hot dip galvanised 3mm | ✓ | ✓ | ✓ | ✓ |
| Lock type | Barlock (3 point) | Barlock (3 point) | Barlock (3 point) | Barlock (3 point) |
| Anti-condensation heater | ✓ | ✓ | ✓ | ✓ |

All our products meet the latest compliance and approval standards.

As part of the Lucy Group, we are uniquely positioned to provide an EV power distribution solution from the first to last mile. Our sister company Lucy Electric is a specialist in innovative secondary power distribution solutions for industrial and commercial networks.

To learn more about how this holistic approach can help decarbonise, decentralise and digitalise the entire EV ecosystem and power infrastructure call: **+44 (0) 1422 317 317**

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