

Energy Cheat Sheet



The new connection process (and energy industry in general) is full of acronyms and jargon that make little sense - unless you're an energy geek. So, for non-nerds...

Acronym	Full description	Explanation
CT	Current Transformer	<p>This device allows for the measurement of high-value currents over 70kVA (see 'Declared Capacity').</p> <p>It steps down (transforms) the current to a level that a normal-range ammeter, which measures the circuit's current, can handle.</p> <p>If you have a CT connection, please confirm that the:</p> <ul style="list-style-type: none">• Cut out is in place• CT is wired to the CT Chamber/Cabinet• Lugs are crimped and fitted to the end of the tails• Tails are available for connection
CT Ratio	Current Transformer Ratio	<p>Ask your DNO for this ratio (e.g. 100/5; 500/5) to ensure that your meter is programmed correctly. If the ratio is wrong, your bills will be calculated incorrectly.</p>
DA	Data Aggregator	<p>These are the agents responsible for obtaining and managing usage and settlement data, and providing it to suppliers for billing. If you have a direct contract with any of these agents, please give us the details.</p>
DC	Data Collector	
DR	Data Retriever	
-	Declared Capacity	<p>This is capacity for the new supply measured in kilo Volt Ampere (kVA) – agreed between your electrical engineer/contractor and your DNO.</p> <p>It has a bearing on the set up of the metering and we need it to provide you with a price quotation and, once you've signed a supply contract, to prepare your bills.</p> <p>If your kVA is 40 or more, you'll be assigned a Half Hourly meter.</p>
DNO	Distribution Network Operator	<p>A DNO is a company licensed to distribute electricity across one or more of the UK's 14 distribution areas.</p> <p>To discover the DNO for your area, and get to their website, see the Energy Networks Association's map.</p> <p>The DNOs own and operate the cables and towers bringing electricity from the UK transmission network (National Grid) to the premises in that region.</p> <p>Your DNO will give you a new MPAN and let you know if any engineering works need to take place outside your premises (you'll have to pay if they're required) before a MOP can visit to install the new meter.</p>
EAC	Estimated Annual Consumption	<p>How much electricity do you expect to use this year?</p> <p>This figure – measured in kiloWatt hours (kWh) per annum – allows us to provide an accurate quotation for your new connection.</p>
HH	Half Hourly	<p>A Half Hourly meter records your electricity consumption every 30 minutes and ensures your supplier is able to provide accurate invoices.</p> <p>The level of detail provided by HH data makes it easier to see when you're using the most electricity. We can help you interpret the data, with the aim of reducing your consumption and saving you money.</p>

HV	High Voltage	This term refers to electricity voltages high enough to inflict harm on humans (and other living organisms). National Grid transmits, and the DNOs distribute, electricity at high voltages. Local sub-stations convert this HV to a safer voltage level.
kVA	kilo Volt Ampere	kVA is the unit of measurement for <u>Declared Capacity</u> - the agreed capacity for the new supply. We need to know the figure to provide you with a quote. Agreed between the customer's electrical contractor and the DNO, this figure should be sufficient to cover the maximum demand requirements of the supply. kVA contrasts with kiloWatts (kW), which measures the amount being converted into output.
MOP	Meter Operator	The company that sends an engineer to your premises to fit your meter and energise your supply. The MOP also provides on-going meter maintenance.
MPAN	Meter Point Administration Number	The MPAN - also known as an 'S number' or 'Supply number' - identifies a unique electricity supply point, although it can apply across several meters. An MPAN has 21 digits, as shown below. We'll include it on your invoices once we start billing you. The "core MPAN" - the 13-digit number in the bottom box - is what we'll need to provide a price quotation. Want to know more about MPANs? See our blog
MPAS	Meter Point Administration Service	Each DNO operates the MPAS for its area and the MPAS provides MPANs to new connections. So, to get your new MPAN, contact your DNO. To find the DNO for your area, and get to their website, see the Energy Networks Association's map .
NHH	Non Half Hourly	A NHH meter usually operates at premises where the total power used is 99kVA or less. Often, the meters are read manually (by you or a 3rd party) and the readings passed on to your supplier.
-	Profile class	A standardised classification for how much energy you'll use, and when.
-	Single (1) or Three (3) Phase	The methods used for delivering Alternating Current (AC) electrical power. A single phase set-up delivers a whole current supply; the cut out will require one fuse to energise. A three phase (or polyphase) set-up delivers a whole current supply that could be fed into a CT; the cut out will require three fuses.
VT (Ratio)	Voltage Transformer (Ratio)	Your DNO should provide this (e.g. 11,000 - 110 volts)
WC	Whole Current Meter	A metering set-up that's fed by a single or three phase supply cable, which is directly connected to the meter and measured. WC metering is used for supplies up to 69kVA (3 phase, up to 100AMP/phase)

What's next?

To discover more about new connections call

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