

Example of Generation Metering requirements

<30kVA <i>Existing Supply</i>	No Export MPAN required. <i>NOTE: Discuss and agree Feed In tariff with electricity supplier</i>
>30 - <50kVA <i>Existing Supply</i>	Export MPAN required & may need CT panel <i>NOTE: Customer must arrange Supply Agreement (with electricity supplier, not DNO)</i>
>30 - <50kVA <i>New Supply</i>	As above but also require a new Import MPAN
>50kVA Low Voltage <i>Existing Supply</i>	Export MPAN and CT panel required <i>NOTE: Customer must arrange Supply Agreement (with electricity supplier, not DNO)</i> Witness Testing and LV Connection Agreement (initiated by DNO) <i>NOTE: Connection separate from Supply Agreement</i>
>50kVA Low Voltage <i>New Supply</i>	As above but also require a new Import MPAN.
>50kVA High Voltage <i>New Supply</i>	New Import and Export MPAN(s) required. CT Metering panel required <i>NOTE: Customer must arrange Supply Agreement (with electricity supplier, not DNO)</i> Witness Testing & HV Connection Agreement (initiated by DNO) <i>NOTE: Separate from Supply Agreement.</i>

Meter Accommodation

Must include a backboard although the space required can vary dependent on whether sited on household or commercial premises.

Approx. sizes 2000mm high x 1000mm wide x 1000mm deep, positioned between 500mm - 2000mm above finished floor level.

Electrical Requirement

Can vary. For example: Commercial with CT Meter Panel should have a fused main switch, load tails, mechanical protection, trunking and a main supply for non-substation connected loads.

NOTE: Tails must be of a sufficient size and of a suitable length so that the cable can be terminated into the main supply cablehead. BS7671 Reg 434.2.1 gives some guidance.

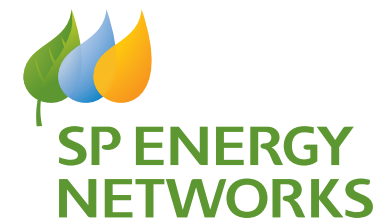
Please refer to 'Your Responsibilities' section within your electrical connection quotation to confirm requirements.

Contact Details of Electricity Suppliers

Atlantic Power & Gas	0845 026 0657	www.atlantic.co.uk
British Gas	0800 048 0202	www.britishgas.co.uk
Co-operative Energy	0800 954 0693 www.cooperativeenergy.coop	
EBICo	0800 458 7689	www.ebico.org.uk
Ecotricity	0800 030 2302	www.ecotricity.co.uk
EDF Energy	0800 056 7777	www.edfenergy.com
E.ON	0345 059 9905	www.eonenergy.com
First Utility	0845 215 5015	www.first-utility.com
Good Energy	0871 200 0694	www.goodenergy.co.uk
Green Energy UK	0800 783 8851	www.greenenergy.co.uk
LoCO2 Energy	0845 074 3601	www.loco2energy.com
nPower	0800 197 8216	www.npower.com
OVO Energy	0800 599 9440	www.ovoenergy.com
Scottish Hydro	0845 026 0655	www.hydro.co.uk
ScottishPower	0800 001 5217	www.scottishpower.co.uk
Southern Electric	0800 056 3287	www.southern-electric.co.uk
Spark	0845 034 7474	www.sparkenergy.co.uk
Scottish & Southern Energy	0845 026 0658 0800 975 0988	www.sse.co.uk (Domestic Customers)
SWALEC	0845 026 0656	www.swalec.co.uk
Utilita	0845 450 4357	www.utilita.co.uk

*NOTE: Details correct at time of print.
Alternative electricity suppliers may be available.*

Getting Your Meter Connected



Introduction to this guide

SP Energy Networks is the Distribution Network Operator (DNO) and is responsible for installing an electrical connection up to, and no further than, the mains fuse – this can also be referred to as 'cut-out' or 'cablehead'.

We are not the electricity supplier and therefore, cannot provide or connect the meter. The electricity supplier is responsible for installing your meter and agreeing your ongoing electricity supply charges for electricity used.

This guide breaks down different scenarios and what you need to be aware of in order to ensure that the correct meter and contract is set up to monitor and record your electricity usage.

Customer /Applicant	Person requesting an electrical connection. <i>NOTE: Person could also be requesting an upgrade, downgrade or alteration to existing supply.</i>
Distribution Network Operator SP Energy Networks	Responsibility to complete licensed activities on behalf of the Asset Owner - with no contractual client relationship with either the Meter Operative or Electricity Supplier.
Electricity Supplier (Supplier)	Sets up an Electricity Supply Contract – Agrees a tariff dependent upon load and usage of electricity recorded in units. Also arranges for meter to be installed through the Meter Operative (MOP).
Meter Operative (MOP)	An organisation responsible for installing and maintaining electricity meters. <i>NOTE: If you intend using a lot of electricity you may have to appoint a MOP and set up a separate contract, i.e. Half Hourly.</i>
Data Aggregator	Data Aggregator – totals volumes of energy consumed for each supplier and sends to a central system for balancing and settlement.

SMART Metering

The UK government has mandated the rollout of smart meters to domestic and Small Medium Enterprise (SME) properties by the end of 2020. Although this is supplier-led, we expect it to provide a significant opportunity to improve our business processes.

Responsibility

	CUSTOMER/ APPLICANT	DNO SP ENERGY NETWORKS	ELECTRICITY SUPPLIER	METERING OPERATIVE
SP Energy Networks will provide you with your Meter Point Administration Number (MPAN). <i>NOTE: 'Import' and, if applicable, 'export'.</i>		●		
You need to choose an Electricity Supplier. For Generation you may also require to appoint a purchaser. <i>NOTE: You will need your MPAN(s) and load details to hand when you contact them.</i>	●			
Agree delivery schedule for electrical connection up to the mains fuse and complete the work.	●	●		
Electricity Supplier will liaise with your Meter Operative to arrange for the meter to be fitted. <i>NOTE: You need to tell them when the work connection the supply to the mains fuse has been completed</i>	●		●	
Meter Operative will fit the meter.				●
Upgrade to Supply – You must advise your electricity supplier. <i>NOTE: Contact details to be found on your electricity account.</i>	●			

Additional information

Additional information can be found on the following websites:

www.spenergynetworks.co.uk

/pages/connecting_to_our_network.asp

www.meteroperators.org.uk/members.php

www.ofgem.gov.uk

DISTRIBUTED GENERATION

www.spenergynetworks.co.uk/pages/dgis.asp

Guidance

LOAD/TYPE OF ELECTRICAL CONNECTION	EXAMPLES - WHAT IS IT?	TYPE OF METER/CONTRACT
<18kW (Domestic)	Domestic <i>House with non-electric heating</i>	Negotiated with supplier
>18-45kW Small shops (Commercial)	Newsagents	Negotiated with supplier
>45– 99kVA Small Business (Commercial)	Supermarket Express/Beauty/ Sunbed salon	Maximum Demand Non Half Hourly
>69kVA	Supermarket Express	Current Transformer (CT) Metering Panel
>100kVA	Large Supermarket	Maximum Demand Half Hourly <i>NOTE: You may need an agreement with your meter operator, as well as, your chosen electricity supplier.</i>
Unmetered Supply <i>NOTE: must meet Electricity Unmetered Regulations 2001</i>	Street Lighting	Meter n/a. <i>NOTE: A Supply Contract is still required with an energy supplier. An Unmetered MPAN will be provided.</i>
Alteration to Point of Supply	Request to move meter from one location to another	Existing MPAN – Electricity supplier may arrange for meter to be moved to meet certain criteria. If outwith this criteria, it may be chargeable and may involve work by the DNO.
Additional loads or upgrade	Upgrade from single phase to three phase connection	Depends upon load and may effect type of meter
Distributed Generation	Examples: <i>Solar Panels /Wind Turbine / Combined Heat Power(CHP) /Hydro/PV Array /Car Charging Points</i>	Depends if exporting generation. Requirement to agree Feed in Tariff (FIT) with electricity supplier. You may require an export MPAN and CT Meter Panel.