

## **Description of Characteristics of Connection – DUoS and MCC Codes**



## Codes in your Connection Agreement

### DUoS Group

#### *What is DUoS?*

DUoS stands for **Distribution Use of System**. A DUoS charge is a fee that ESB Networks charges your Electricity Supplier for use of the Electricity Distribution System. In most cases your Electricity Supplier will pass this on to you in your Electricity Bill. The amount of DUoS that ESB Networks charges a Supplier for each customer depends on which **DUoS Group** a customer is classified as, which can be based on several factors including the voltage a premises is connected at, the type of meter installed, or if electricity is exported.

#### *Group Description*

<b>DUoS Group Name</b>	<b>Description</b>
DG1	Urban Domestic Customers
DG2	Rural Domestic Customers
DG3	Unmetered Public Lighting
DG4	Other Unmetered Connections
DG5	Low Voltage Non-Domestic Non-MD Customers
DG5A	Low Voltage Non-Domestic Non-MD Autoproducers (Exporters)
DG5B	Low Voltage Non-Domestic Non-MD Autoproducers (Importers)
DG6	Low Voltage Non-Domestic MD Customers
DG6A	Low Voltage Non-Domestic MD Autoproducers (Exporters)
DG6B	Low Voltage Non-Domestic MD Autoproducers (Importers)
DG7	Medium Voltage MD Customers
DG7A	Medium Voltage MD Autoproducers (Exporters)
DG7B	Medium Voltage MD Autoproducers (Importers)
DG8	38kV MD Looped Customers
DG8A	38kV MD Looped Autoproducers (Exporters)
DG8B	38kV MD Looped Autoproducers (Importers)
DG9	38kV MD Tailed Customers
DG9A	38kV MD Tailed Autoproducers (Exporters)
DG9B	38kV MD Tailed Autoproducers (Importers)
DG10	110kV MD Customers
TCON	Connected to the Electricity Transmission System

**Note:** "Low Voltage" is 230V single phase, or 400V three phase. "Medium Voltage" is 10kV or 20kV. "MD" is Maximum Demand, which is a term that relates to the way some customers are charged based on their maximum electrical capacity. "Looped" is a term used for larger customers who have a standby connection.

## MCC

### *What is MCC?*

MCC stands for **M**eter **C**onfiguration **C**ode. It is a code that is used to describe the type of meter (or its functionality) that measures the amount electricity that passes through the Connection Point at your house/premises.

### *MCC list in full*

<b>MCC</b>	<b>Description</b>
MCC01	24 hour
MCC02	D/N
MCC03	24h+NSH
MCC04	D/N+W
MCC06	MDNm+Pk
MCC07	24H+NSH+W
MCC08	24h+W
MCC09	Unmetered
MCC10	QH2CH_IP
MCC11	QH4CH_IPXP
MCC05	MDNm/Pk
MCC50	NONSTD
MCC51	D/N+NSH
MCC53	2 X D/N
MCC57	24h+D
MCC58	24h+D/N
MCC59	24h+D/N+W
MCC60	24h+D/N+NS
MCC61	2x24h
MCC62	2x24h+NSH
MCC63	2x24h+D
MCC64	2x24h+W
MCC65	3X24h
MCC66	3X24h+N
MCC67	3X24h+D
MCC70	3X24+NSH
MCC71	4X24
MCC72	3X24+W
MCC73	4X24+NSH
MCC74	5X24
MCC75	24+2XNSH
MCC76	4X24+W
MCC77	2X24+W+NSH
MCC78	3X24+W+NSH
MCC79	5X24+NSH

### *Description of Terms*

<b>Term</b>	<b>Description</b>
KWh	A measurement of how much electricity has been used.
24H	Register recording Import kWhs 24 hours, 7 Days, all year
D	Register recording Import kWhs Day 08:00 - 23:00, 7 Days, all year
N	Register recording Import kWhs Night 23:00 -08:00, 7 Days, all year
D/N	Group of Registers recording Import kWhs Day 08:00 - 23:00, Night 23:00 -08:00, 7 Days, all year

<b>Term</b>	<b>Description</b>
NSH or NS	Night Storage Heating Specific Register recording Import kWhs 23:00 - 08:00, 7 Days, all year.
W	Wattless: Register (On separate meter or MFM) recording kVARhs 24 hours, 7 Days, all year
MD	Maximum Demand: Group of Registers recording MD kWhs and Cumulative MD kWhs (N only or N+P) AND Reset Counter.
Nm	Normal Maximum Demand: Register for kWhs recorded during Normal Time slot - 08:00 - 21:00 Monday - Friday (Normal Season)
Pk	Peak Maximum Demand: Register for kWhs recorded during Peak Time slot - 17:00 - 19:00 Monday - Friday (Peak Season)
Nm+Pk	Registers for both (i.e. two registers) Normal 08:00 - 21:00 and Peak 17:00 - 19:00 MD (i.e two registers all year round)
Nm/Pk	Register for EITHER Normal 08:00 - 21:00 OR Peak 17:00 - 19:00 MD (i.e. one register which has to be manually configured at site to change between recording during the Normal and Peak Time of Use.)e one register which has to be manually configured at site to change between Normal and Peak recording.)
Unmetered	Unmetered supply - No registers
QH2CH_IP	Quarter Hourly: 2 Channel Recorder_ Import kWhs and kVArS. MD kWhs and MD kVArS recorded every 15 minutes 24 hours, 7 Days, all year
QH4CH_IP XP	Quarter Hourly: 4 Channel Recorder_ Import kWhs and kVArS, Export kWhs and kVArS. Import MD kWhs and kVArS and Export MD kWhs and kVArS recorded every 15 minutes 24 hours, 7 Days, all year
NONSTD	Describes Non standard register setup, covers register combinations which are not covered in the MCC list.
2X	Two devices recording the same parameters e.g 2X24h means 2 separate 1 Register devices recording Import kWhs 24 hours, 7 Days, all year. These MCCs will not be requestable but customers may move supplier with this config.
3X	Three devices recording the same parameters e.g 3X24h means 3 separate 1 Register devices recording Import kWhs 24 hours, 7 Days, all year. These MCCs will not be requestable but customers may move supplier with this config.