POWER GRID SYSTEM AND METHOD OF DETERMINING POWER CONSUMPTION AT ONE OR MORE BUILDING CONNECTIONS IN A POWER GRID SYSTEM

ABSTRACT

Power grid system and method of determining power consumption at one or more building connections in a power grid system. The power grid system comprises a power grid comprising a mains grid portion; a plurality of building connections, each building connection comprising a first meter configured for metering power imported from the mains grid portion to the associated building and power exported from the associated building into the mains grid portion; for one or more of the building connections, at least one second meter disposed downstream from the first meter relative to the mains grid portion and configured for metering power exported to the associated building from an auxiliary generator; and a consolidation unit configured for determining power consumption at said one or more of the building connections based on readings from the associated first and second meters.

Figure [1]