**Terminology**

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| AMI | Advanced Metering Infrastructure. |
|  | Unit cost of electricity consumed from the user's point of view (€/kWh). |
| *C*Com | Commercialization cost (€/kWh). |
| *C*Dis | Distribution cost (€/kWh). |
| *C*Gen | Generation cost (€/kWh). |
| *C*Loss | Losses cost (€/kWh). |
| *C*Res | Restriction’s cost (€/kWh). |
| *C*Tra | Transmission cost (€/kWh). |
| *C*unit | Unit cost of the electricity tariff (€/kWh). |
| *C*unitFinal | Final unit cost of the electricity tariff according to the regulated user (€/kWh). |
| *d* | Nominal discount rate (%). |
| DG | Distributed Generation. |
| *D*n | Annual depreciation for tax purposes (€). |
| *d*s | Annual dividend of the equity capital /return on equity (%). |
|  | Energy consumption from the grid (kWh). |
| *EL* | Load energy consumption (kWh). |
| *E*PVcon | Photovoltaic energy self-consumed (kWh). |
| *E*PVgen | Photovoltaic energy generated (kWh). |
|  | Photovoltaic electricity fed into the grid (kWh). |
| *g* | Annual inflation rate (%). |
| *i*l | Annual loan interest (%). |
| *L*(*t*) | Load power consumption (kW). |
| LCOE | Levelized Cost of Electricity (€/kWh). |
| *M*(*t*) | Photovoltaic power consumed (kW). |
| NIS | National Interconnected System. |
| *N* | Life cycle of the PV system (years). |
| *N*d | Depreciation period (years). |
| *N*l | Amortization of loan (years). |
| NO | Network Operator. |
| *P*0 | Array DC power rating (kWp). |
| *P*0, ini | Lower bound of the array DC power rating range within which its optimal value is determined (kWp). |
| *P*0,fini | Upper bound of the array DC power rating range within which its optimal value is determined (kWp). |
| *P*0,opt | Optimal array DC power rating (kWp). |
| *P*bol | Hourly spot price of the electricity tariff (€/kWh). |
| *P*(*t*) | AC output power (kW). |
|  | Price of electricity from the grid (€/kWh). |
|  | Price of electricity self-consumed (€/kWh). |
|  | Price of electricity fed into the grid (€/kWh). |
| *PR* | Performance ratio (%). |
| *PV* | Photovoltaic(s). |
| *PV*AOM | Annual operation and maintenance cost of a PV system (€). |
| *PV*C | Photovoltaic system cost (€). |
| *PV*l | Amount equal to the portion of the PV system cost financed with a loan (€). |
| *PV*s | Amount equal to the portion of the PV system cost financed with equity capital (€). |
|  | Present worth of the energy cost consumption from the grid (€). |
|  | Present worth of the savings due to photovoltaic energy that is self-consumed (€). |
|  | Present worth of revenues generated from photovoltaic energy fed into the grid (€). |
| PW[DEP( *N*d)] | Present worth of the tax depreciation (€). |
| PW[*PV*OM (*N*)] | Present worth of the PV system operation and maintenance cost (€). |
| *r*d | Annual performance loss rate of the PV system (%/y). |
|  | Annual escalation rate of the operation and maintenance cost of a PV system (%). |
| *rp*fromgrid | Annual escalation rate of the electricity price from the grid (%). |
| *rp*PVcon | Annual escalation rate of self-consumed electricity price (%). |
| *rp*PVtogrid | Annual escalation rate of the price of electricity fed into the grid (%). |
| *SCI* | Self-consumption index (%). |
| *SSI* | Self-sufficiency index (%). |
| *T* | Income tax rate (%). |
| WACC | Weighted Average Cost of Capital (%). |
| *ΔP* | Array DC power rating increase (kW). |
| *τ* | Reporting period (day, month, year). |