***eis system***

*didactic SmartHome electrical simulator*

**Device Predefined Classes**

*upf, 2013-06-09, ver. 1.0*

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| **Class ID** | **Type** | **Description** |
| *wind\_plant* | *generator* | wind turbine electrical generator |
| *pv\_plant* | *generator* | photovoltaic electrical generator |
| *engine\_generator* | *generator* | engine (diesel) emergency generator |
| *grid* | *load&gen* | public grid connection, only one can be enabled at simulation time |
| *solar\_heater* | *load* | solar water heater with auxiliary electrical heater |
| *washing\_machine* | *load* | generic washing machine |
| *dishwasher* | *load* | generic dishwasher |
| *electric cooker* | *load* | generic electric cooker |
| *electrical\_storage* | *load&gen* | electrical storage (e.g. UPS), only one can be enabled at simulation time |
| *energy\_manager* | *load* | energy manager server |
| *master* | *load* | simulation master, virtual device, no electrical load at any time |
| *meteo\_station* | *load* | meteo station, a small fixed electrical load |