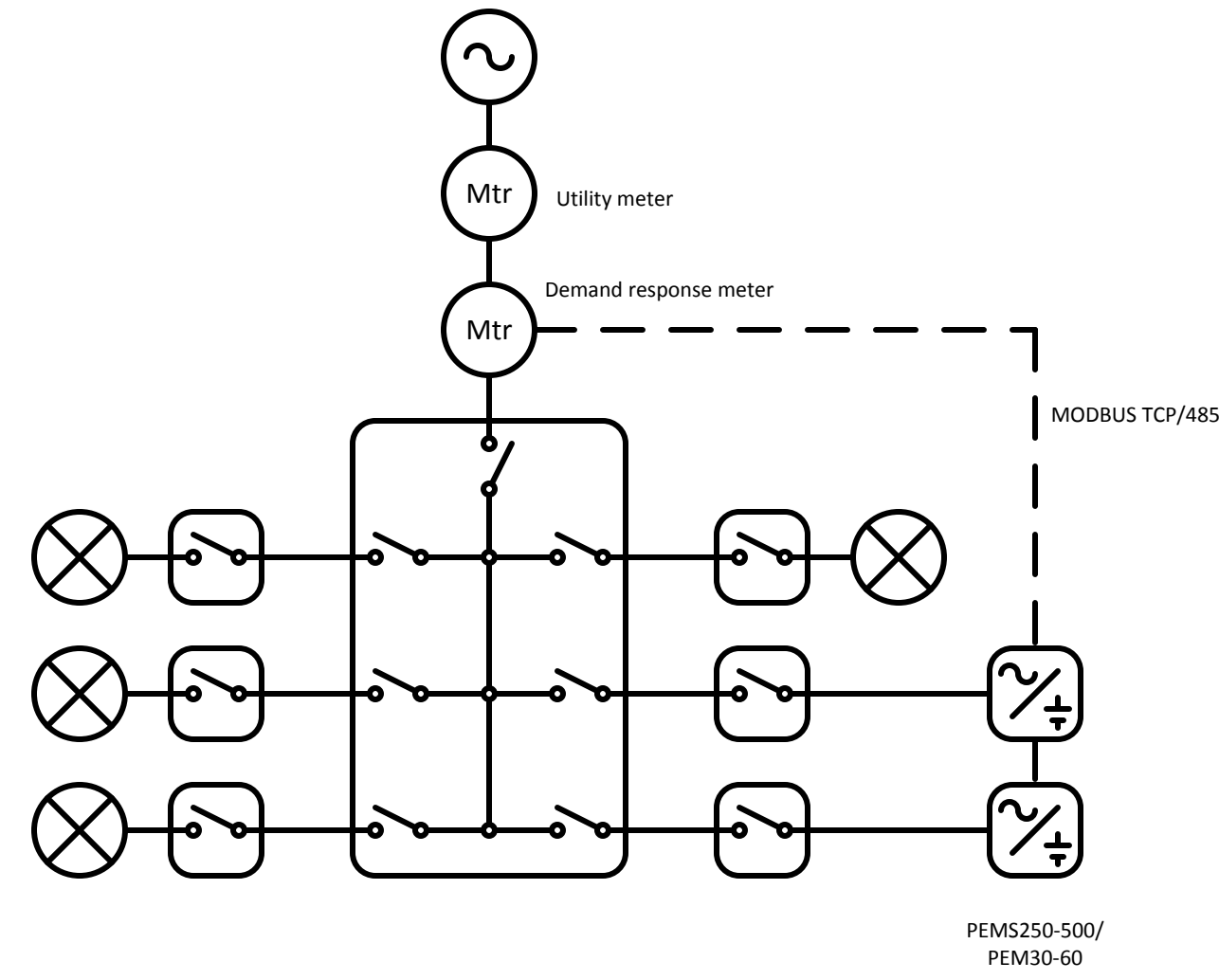


PEMS APPLICATIONS GUIDE

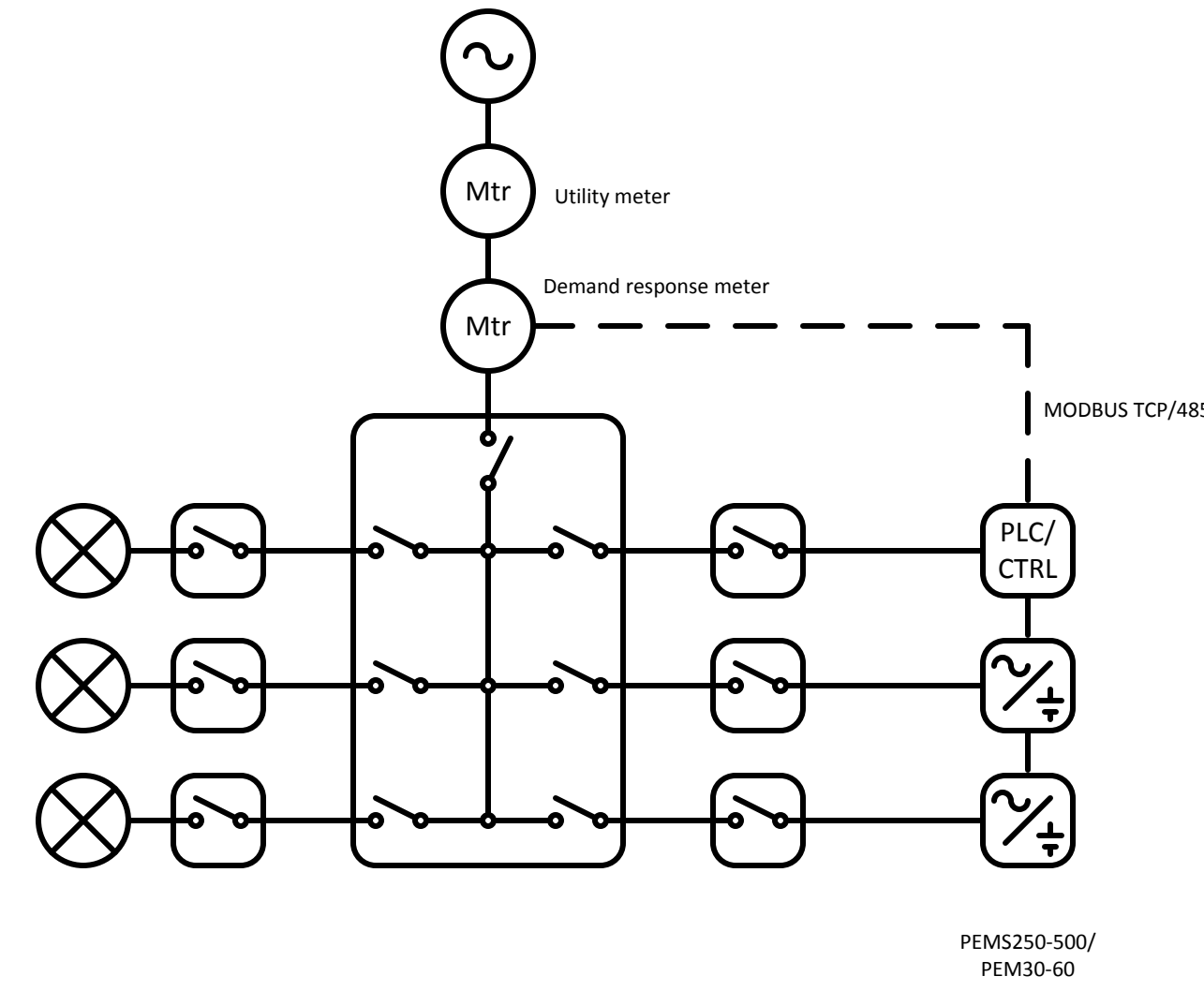


PEMS units
Fully integrated energy storage, used in all applications of storage
From Demand Response through to Microgrids
250kW-500kWh model pictured here

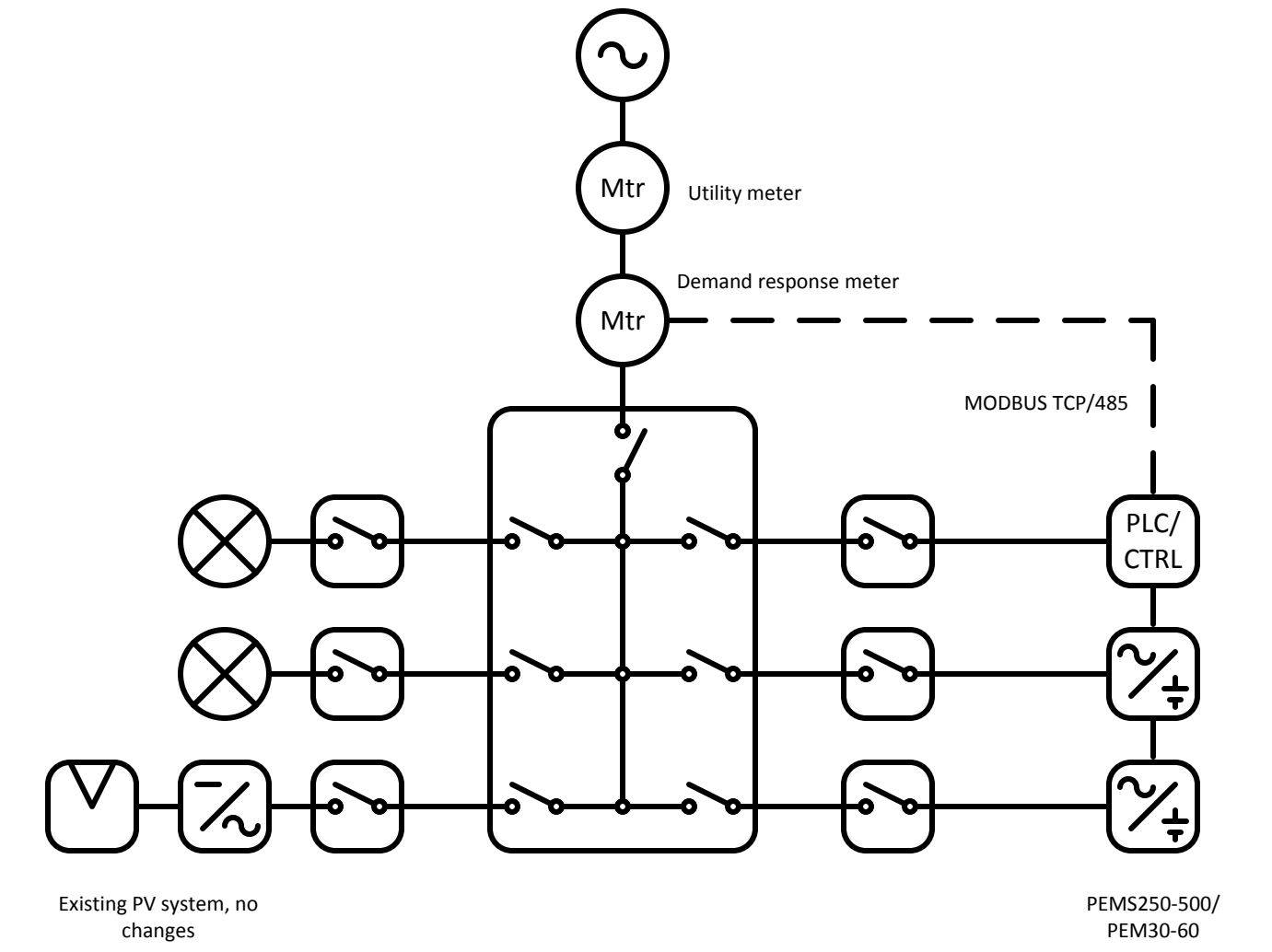
Demand response application BASIC using internal PEMS controls
Production dispatch constantly adjusted by simple preprogrammed internal "baseline" peak demand threshold and/or "Time of use" schedule



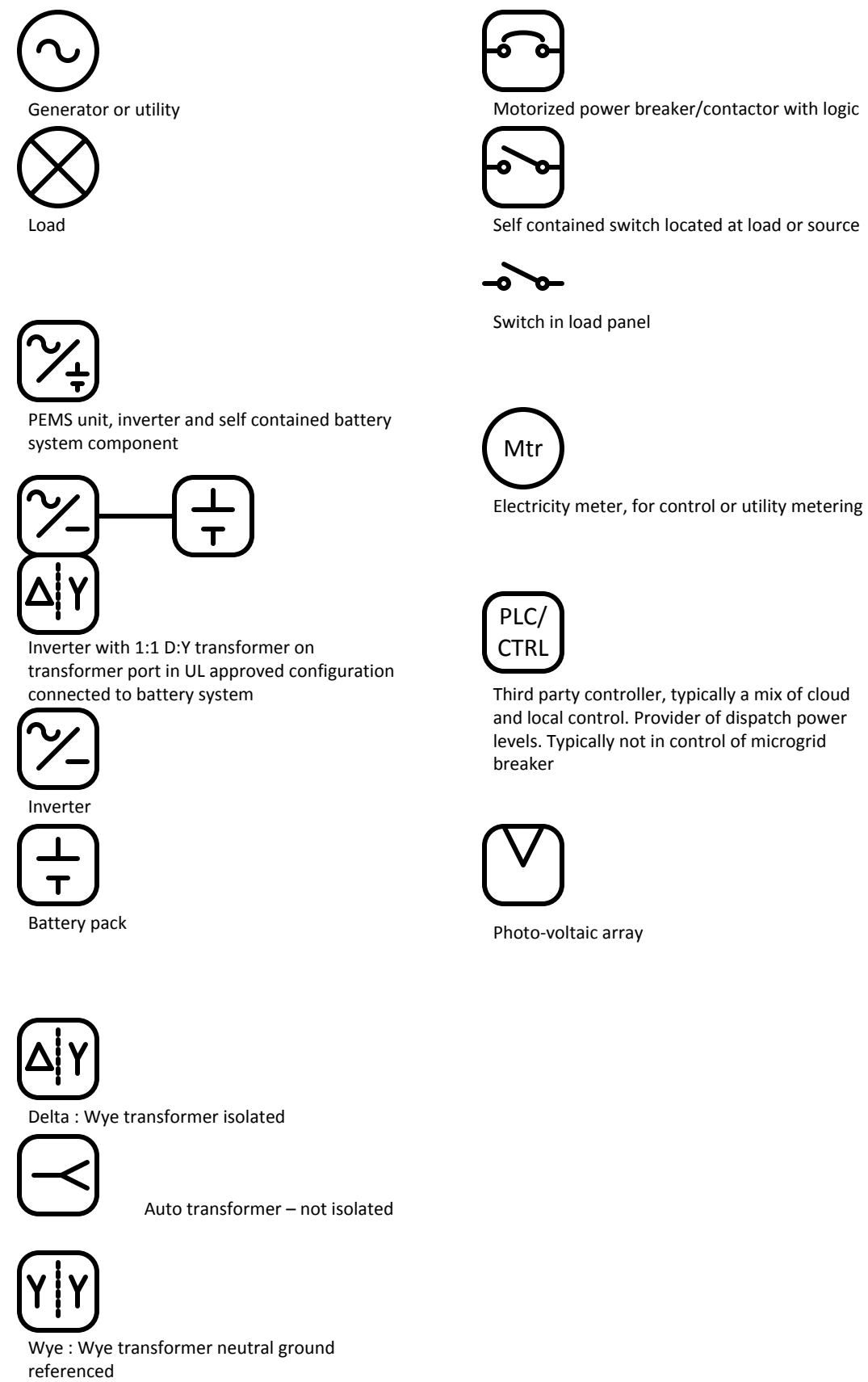
Demand response application ADVANCED using external 3rd party or PPS controller
Production dispatch constantly adjusted by remote or client site based controller



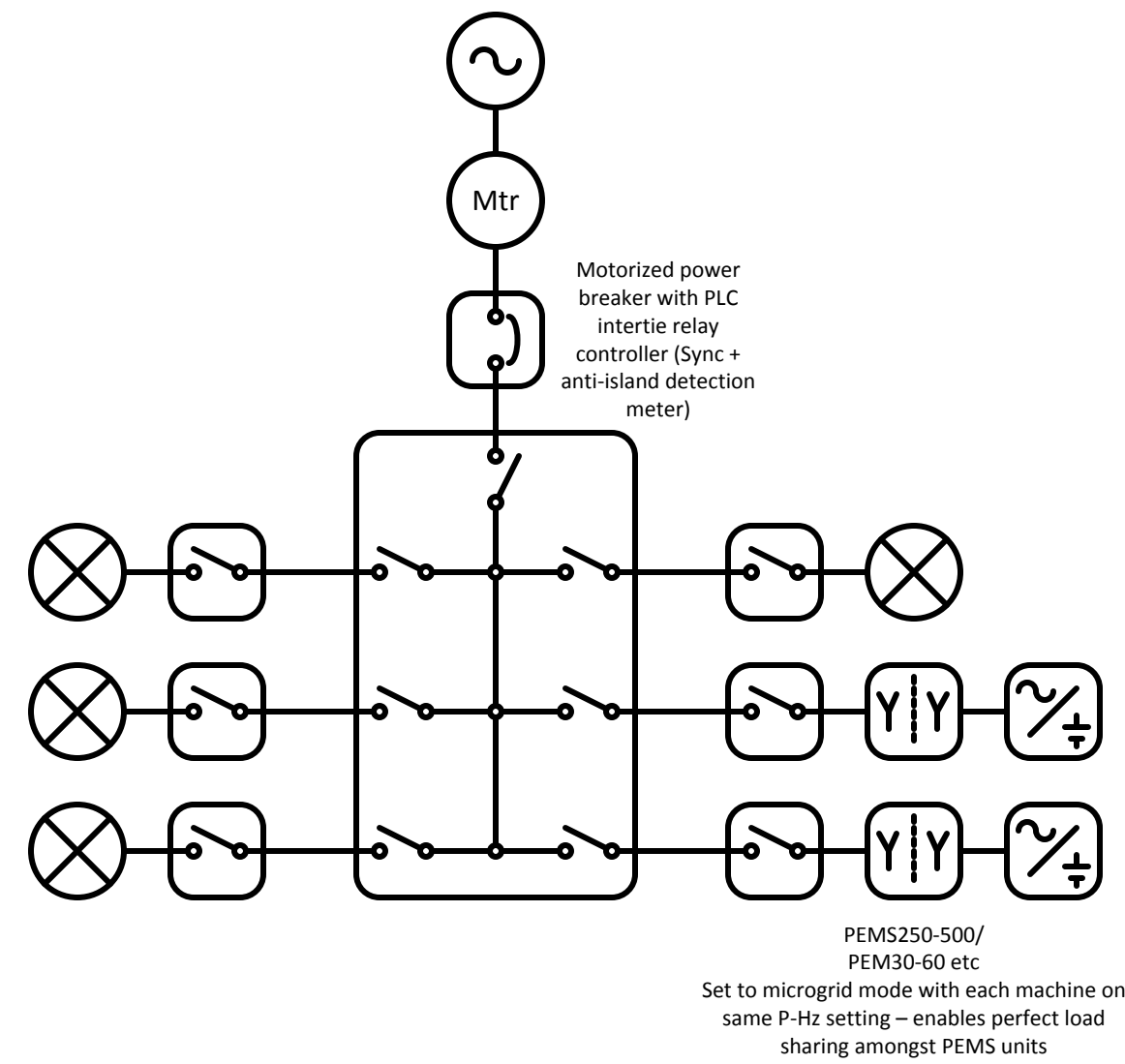
Demand response and PV smoothing application ADVANCED –
Production dispatch constantly adjusted by remote or client site based controller



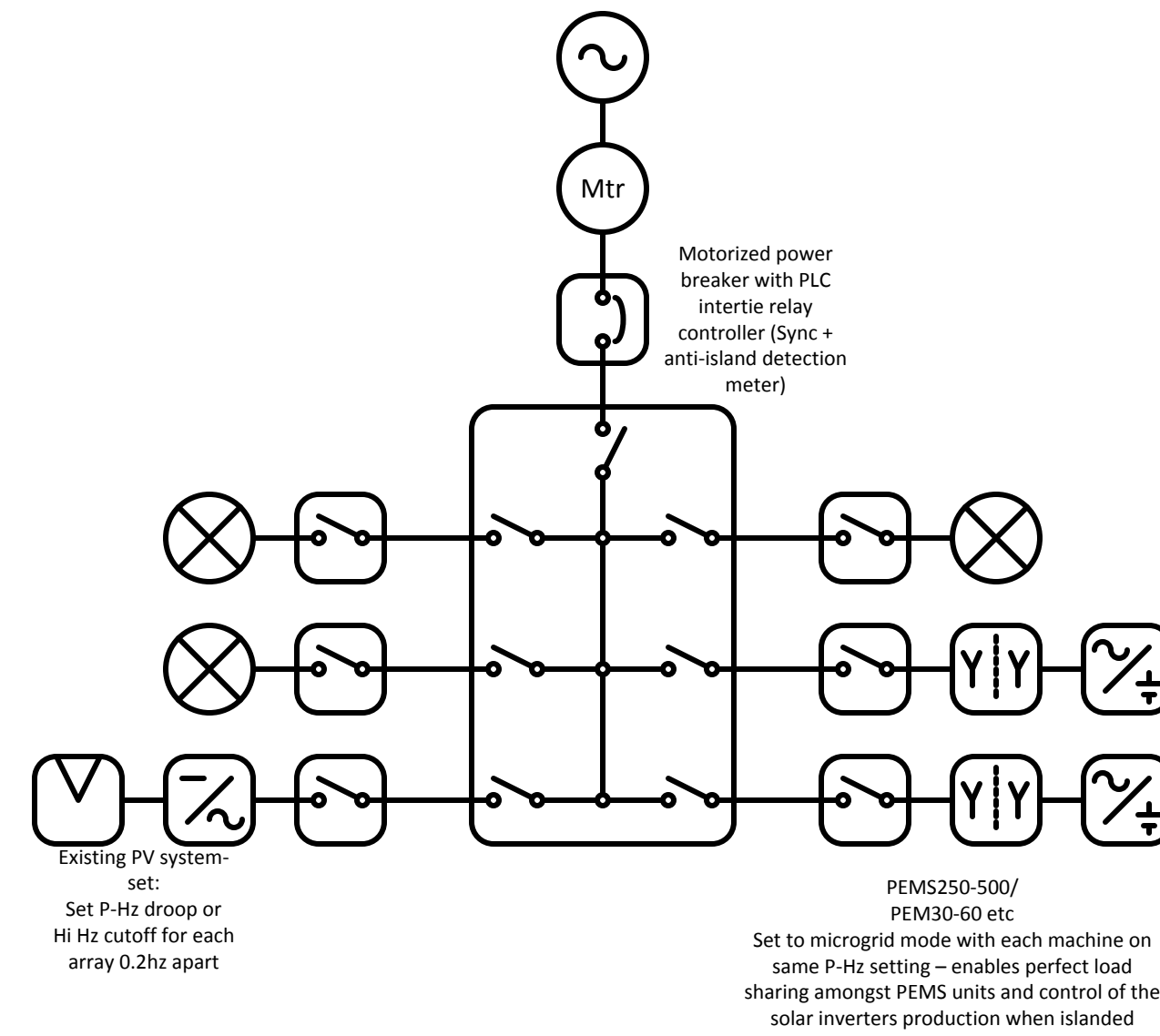
Legend



Microgrid application BASIC
interruptible power supply



Microgrid with existing or new PV application BASIC



Microgrid, demand response and photo-voltaic application ADVANCED
On grid dispatch constantly adjusted by remote or 3rd party client site based controller or plant PLC
Off grid operation controlled by PEMS and PV inverter P(f) function

