

Name Variable	Also known as Dutch term:	Description	Necessity	Frequency	Unit	Quality	Optional	Explanation
Q_sh	Q_rv	Total energy output of the heat production unit for space heating	must-have for Monitoring Norm	minimum every hour	GJ	MID	Internal meters from heat producing installations can be used, but only if these meters are MID certified	
Q_dhw	Q_tw	Total energy output of the heat production unit for tapwater heating	must-have for Monitoring Norm	minimum every hour	GJ	MID	Internal meters from heat producing installations can be used, but only if these meters are MID certified	Liters per day can be calculated from GJ measurement
E_aux	E_hulp	Total electric energy use of auxillary installations, including ventilation, monitoring and heat- and cooling producing unit(s)	must-have for EPV legislation	minimum every hour	kWh	MID	Separately measure installations for ventilation, monitoring and other auxillary installations	Variable names for separate installations: E_aux_heat E_aux_vent E_aux_mon E_aux_other
E_aux_heat	E_two	Total electric energy use of heat- and cooling producing unit(s)	must-have for Monitoring Norm	minimum every hour	kWh	MID	Separately measure all installations involved in producing heat or cooling	Variable names for separate (groups of) installations: E_aux_heat_dhw = domestic hot water E_aux_heat_sh = space heating E_aux_heat_hp = heatpump E_aux_heat_ph = post heating E_aux_heat_eb = electric boiler E_aux_heat_er = electric radiator E_aux_heat_fh = floor heating
E_gen	E_sol	Total gross energy production of electricity	must-have for EPV legislation	minimum every hour	kWh	MID	Separately measure different sources for producing electricity	Variable names for separate sources e.g.: E_gen_pv E_gen_wind
E_grid	E_tot	Total energy taken from and/or delivered to the grid	must-have due contract with network operator	minimum every hour	kWh	MID	Add flexible rates	Variable names for flexible rates: E_grid_T1 = taken up at low rate E_grid_T2 = taken up at high rate E_grid_nT1 = delivered back at low rate E_grid_nT2 = delivered back at high rate
E_household_cons	[new]	Total energy use of household consumption	must have for EPV legislation	minimum every hour	kWh	MID	Can be calculated if E_aux, E_gen & E_grid are measured	
T_room_living	T_bin	Current temperature in the living room	must-have for Monitoring Norm	minimum every hour	C	±0,5 °C	Measure other rooms	Variable names for other rooms e.g.: T_room_bath T_room_kitchen T_room_bed
T_dhw	T_tw	Average temperature of the hot tapwater	must-have for Monitoring Norm	minimum every hour	C	±0,5 °C	Can be calculated if a flowmeter is used for Q_dhw	
co2	CO2	Average time the living room has a certain CO2 concentration	luxe / must-have for dwellings with ventilation installations which are demand-side driven	minimum every hour	kppmh	±10%		
PM2.5	[new]	Average concentration of particulate matters in the kitchen	luxe	minimum every hour	µg/m3	indicative		
t_RH_tow	[new]	Time the relative humidity is above 80% in the bathroom	luxe	minimum every hour	hours per day	±5%		
T_set_living	[new]	Current set temperature in the living room	luxe	minimum every hour	C	±0,5 °C		