

## power\_meter\_1.gce

### Attributes

mainvars: va vb vc ia ib ic pwr  
rparms: b1=1

### Description

power\_meter\_1.gce is used to measure average 3-phase power, given by,

$$\begin{aligned} p' &= v_a i_a + v_b i_b + v_c i_c, \\ p(s) &= \frac{1}{1 + b_1 s} p'(s). \end{aligned}$$

Note that  $p'$ , the instantaneous power, is filtered using a low-pass filter to obtain the average power  $p$  (main variable **pwr**).

AC behaviour is not implemented.