

TECHNICAL DATA SHEET - ENERGY EFFICIENCY & PUE

The energy efficiency or effectiveness of a power system can be determined by comparing the total supplied energy and the effective energy used. This could be across a UPS or in a data centre. The Power Usage Effectiveness (PUE) is used as a parameter to measure energy efficiency; the lower the better where 1.0 is a perfect system.

As well as its power quality and other functions sub.net can also be used to display and trend the PUE value of a data centre. Circuit 1 monitors the 3 phase input supply and circuit 2 monitors the output or equipment supply. The real time power display shows the 3 phase and total power values and the instantaneous PUE (effectiveness) and DCiE (efficiency) measurements.

The trend report options include a PUE report. This displays a graph of the real power for the two circuits and the computed PUE trend. This shows how the PUE varies over the trend interval. As with all trend reports the source data are available for importing into other applications for extended reporting.

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