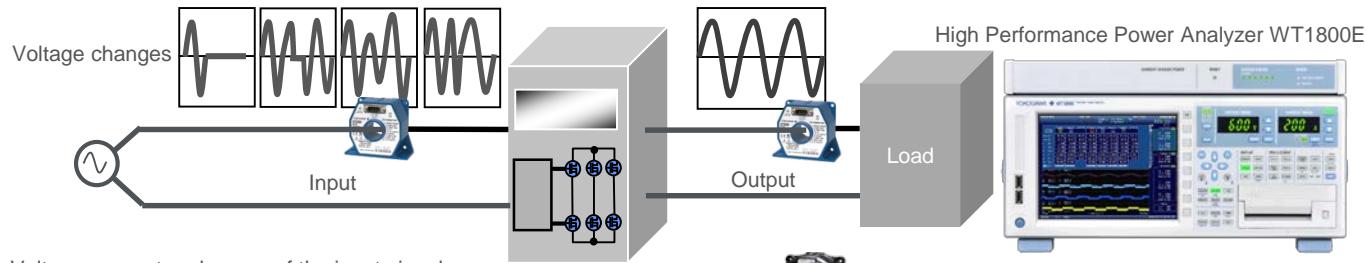


Power Quality Evaluation of UPS (Uninterruptible Power Supply)

Uninterruptible power supply, UPS, can supply stable power when abnormal phenomenon such as power failure, power transient, or voltage and frequency fluctuation occurs. In order to evaluate the performance of UPS, a high precision and high stability power analyzer is needed. The WT1800E can accurately measure voltage, current, frequency, distortion and efficiency in UPS testing.

The WT1800E allows direct input of current lower than 50A and also can measure large current easily with the /PD2 current sensor power supply option and large current sensors.



Power efficiency of input/output

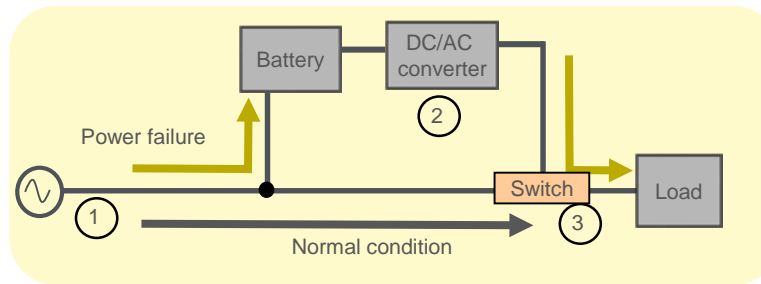
Urms2	99.74 V
Irms2	0.7603 A
P2	74.10 W

Urms1	97.95 V
Irms1	0.7602 A
P1	72.75 W
η 1	98.187 %

Voltage, current and power of the input signal



AC/DC current sensors



Urms2	100.28 V	Urms1	98.47 V
Irms2	0.7583 A	Irms1	0.7582 A
P2	74.29 W	P1	72.94 W
U _{pk2}	139.00 V	U _{pk1}	136.85 V
U _{pk2}	-138.88 V	U _{pk1}	-136.75 V
f ₁₂	50.034 Hz	f ₁₁	50.034 Hz
λ 2	0.9769	λ 1	0.9769
		η 1	98.185 %