



Powering and Connecting
Your World

To whom it may concern,

The quoted system is Qty. (1) SU10000RT3UTAA plus Qty. (1) BP240V10RT3UTAA. The SU10000RT3UTAA is comprised of Qty. (1) SU10KRT3UPMTAA and Qty. (1) BP240V10RT3UTAA. The Tripp Lite Test Lab has conducted a runtime test on the SU10KRT3UPMTAA with Qty. (2) BP240V10RT3UTAA in order to determine runtime at 7800W for the quoted system. The System Runtime Test Summary is detailed below:

As these tests are conducted, the resistive load heats up and can change during the test. Due to the nature of these tests, two runs were conducted in order to obtain runtime for an average power draw above and below the power draw of interest (7800W). Obtaining data for average power points above and below 7800W, allows us to make statements about the runtime at 7800W.

From the test data, that the UPS and Battery Pack achieved:

- 18min 11sec of runtime at an average load of 7529.9W
- 15min 08sec of runtime at an average load of 8219.8W

Interpolation of this data yields an expected runtime of ~16min 59sec at a load of 7800W.

There are two reasons for the discrepancy between these test results and the published runtime graph on Tripplite.com:

- 1.) The published graph is calculated based on two data points - full load runtime and half load runtime at the time of product launch. Only two data points are used in determining this graph because testing more data points on this curve adds time to the development process and this the calculated values are relatively close to the actual runtimes.
- 2.) The battery manufacturers Tripp Lite Partners with continue to make improvements over time to the batteries they provide. Tripp Lite does not retest the runtimes of these batteries as model numbers of the improved batteries are not changing and we prefer to keep the conservative numbers published.

Sincerely,

Rusty Scioscia - Sr. Product Manager - Single Phase UPS

System Runtime Test Summary		
Model	SU10KRT3UPMTAA	
SKU	2929CLTPS001A00015	
Battery Pack 1		
Model	BP240V10RT3UTAA	
Serial #	3008V0BP003600087	
Battery Pack 2		
Model	BP240V10RT3UTAA	
Serial #	3008V0BP003600103	
Predicted Runtime (TL Website Calculator)		
7500W	14.94 minutes	
7800W	14.17 minutes	
8200W	13.25 minutes	
Run	1	
Date	29-Jun-20	
Start Time	15:00:57	HH:MM:SS
Power	7612	W
End Time	15:19:08	HH:MM:SS
End Power	7475	W
Elapsed Time	0:18:11	HH:MM:SS
Average Power	7529.9	W
Run	2	
Date	30-Jun-20	
Start Time	9:00:46	HH:MM:SS
Power	8341	W
End Time	9:15:54	HH:MM:SS
End Power	8154	W
Elapsed Time	0:15:08	HH:MM:SS
Average Power	8219.8	W