



**Date:** October 15, 2021

**Subject:** ABB TLE HP UL - Samsung 136S Lithium-ion Runtime charts

Thank you for considering an ABB UPS System with Lithium-ion battery support. The following are runtime charts for TLE HP UL 160 to 1000kVA. Please cross reference the kVA and runtime in your ABB quotation (bill of material) with this table to see the corresponding battery backup string quantity in your quotation.

In addition, separate startup and commissioning line item is required for Lithium-ion solutions to insure safe and proper installation of battery system by ABB Field Services. Please insure there this a specific line item chosen and listed in the solution bill of material.

**TLE High Power UPS:**

DC junction cabinet required with 4 or more battery strings in parallel to accommodate multiple DC cables prior to UPS landing.

	1 String	2 String	3 String	4 String	5 String	6 String	7 String	8 String
<b>TLE HP</b>	Min BOL	Min BOL	Min BOL	Min BOL	Min BOL	Min BOL	Min BOL	Min BOL
160	10	23	36	47	58	71	83	94
200	7	17	28	39	47	56	65	76
225	x	15	24	35	42	50	58	66
250	x	13	22	31	39	45	52	60
300	x	10	17	24	32	39	44	50
400	x	7	12	17	23	28	34	39
500	x	x	10	13	17	22	26	30
625	x	x	6	10	13	16	20	23
750	x	x	x	9	11	13	16	19
1000	x	x	x	x	7	10	11	13

To learn more about our ABB UPS offer please visit us at <https://electrification.us.abb.com>

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