



BOTTOM VIEW

SIDE VIEW

FRONT VIEW

System Sizing Matrix

# OF STRINGS	TOSHIBA SYSTEM MODEL NUMBER	UPS KVA RATING				OVERALL DIMENSIONS (INCHES / MM)			WEIGHT (LBS / KG) Net*
		100	150	225	300	Height	Depth	Width	
		BATTERY KWB							
		86.020	129.030	193.550	258.060				
		RUN TIMES							
1	G8-TSXXX5-HXXX	5	-	-	-	78.7 / 1999	29.5 / 749.3	36 / 914	2375 / 1080
	G8-TSXXX6-HXXX	6	-	-	-	78.7 / 1999	29.5 / 749.3	36 / 914	2624 / 1193
	G8-TSXXX9-HXXX	9	-	-	-	78.7 / 1999	29.5 / 749.3	36 / 914	2921 / 1328
	G8-TSXXX16-HXXX	16	8	-	-	78.7 / 1999	29.5 / 749.3	36 / 914	3495 / 1589
2	2G8-TSXXX19-HXXX	19	10	-	-	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	4750 / 2159
	2G8-TSXXX22-HXXX	22	12	5	-	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	5248 / 2385
	2G8-TSXXX27-HXXX	27	15	7	-	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	5842 / 2655
	2G8-TSXXX41-HXXX	41	24	13	8	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	6990 / 3177
3	3G8-TSXXX47-HXXX	47	27	15	9	78.7 / 1999	29.5 / 749.3	3 x (36 / 914)	8788 / 3995
	3G8-TSXXX65-HXXX	65	41	24	16	78.7 / 1999	29.5 / 749.3	3 x (36 / 914)	10485 / 4766
4	4G8-TSXXX69-HXXX	69	41	24	16	78.7 / 1999	29.5 / 749.3	4 x (36 / 914)	11684 / 5311
	4G8-TSXXX89-HXXX	89	60	35	24	78.7 / 1999	29.5 / 749.3	4 x (36 / 914)	13980 / 6355
5	5G8-TSXXX133-HXXX	133	70	48	32	78.7 / 1999	29.5 / 749.3	5 x (36 / 914)	17475 / 7943

* For shipping purposes, add 3% to weight.

Breaker Per String Sizing

# OF STRING SOLUTION	100KVA	150KVA	225KVA	300KVA
1	H300	H600	-	-
2	(2) H150	(2) H225	(2) H400	(2) H600
3	(3) H100	(3) H150	(3) H225	(3) H300
4	(4) H100	(4) H125	(4) H175	(4) H225
5	(5) H60	(5) H100	(5) H150	(5) H175

Notes:

- All systems are 360 volts nominal. Batteries are sized to an end voltage of 1.67 VPC up to 90 minutes and to 1.75 above 90 minutes at 25°C.
- All KWB ratings are calculated at 0.8 power factor. The inverter efficiency rating is 93%.
- Toshiba Battery System Model Number example: a 100 KVA two string cabinet system with a breaker, auxiliary contacts and 24 volt shunt trip for a runtime of 19 minutes : 2G8-TS10019-H150.
- The TS series of cabinets are designed for multiple cabinet daisy-chain connections.