

TS MATCHING CABINET SERIES

TS4
Toshiba G8000 Series
100-300 KVA









Dimensions and weights Systems dimensions Weight W D H Empty 36" 29.5" 78.7" 525 lbs 914 mm 749.3 mm 1999 mm 238 kg

Introduction

The TS cabinets are a line up and match series of pre packaged battery cabinets built specifically for Toshiba. They are designed to hold the Power Battery PRC and TC series of VRLA batteries. The TS4 has been designed to match the Toshiba G8000 series in dimension, functionality and style. All of the TS cabinets are pre-wired and 100% tested to meet Toshiba and customer requirements upon delivery.

Features

- Pre-configured to bolt together
- 360 VDC Configuration
- Circut breaker with auxiliary contacts and 24 VDC shunt trip
- UL \ CUL Listed
- Designed for multi-cabinet daisy-chain connections
- UBC Seismic Zone 4 Certified
- Vented cabinet meets Nema 1 standards
- Integrated thermal management
- Front and rear removable panels for battery access
- Adjustable, insulated battery rails
- Matching permalux powder coat paint for durability
- Side, top and bottom knockouts for cable access
- Ground stud
- Floor mounting holes for anchoring
- Cable management restraints
- Battery restraints meet transportation & seismic requirements
- Non Spillable Non hazardous design
- Forklift access from all sides
- TC batteries meet UL 1778 requirements

Options

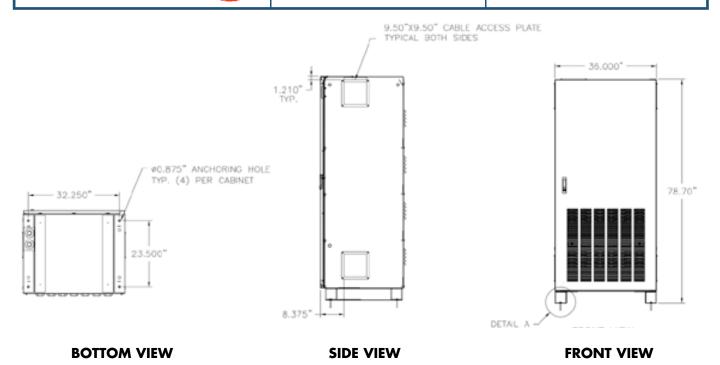
- Floor loading plate for weight distribution
- Wall mounted junction box for multiple string termination
- Seismic Anchoring kit

	Maximum Quantity of PRC/TC Batteries per Cabinet									
	inet del	PRC/TC 1225	PRC/TC 1235L	PRC/TC 1255S	PRC/TC 1265S	PRC/TC 1290S	PRC/TC 12100S	PRC/TC 121205	PRC/TC12150C	
TS	54	30	30	30	30	30	30	30	30	



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TS4 **Toshiba G8000 Series** 100-300 KVA



System Sizing Matrix									
	TOSHIBA SYSTEM MODEL NUMBER	UPS KVA RATING							
# OF STRINGS		100	150	225	300	OVERALL DIMENSIONS		WEIGHT	
		BATTERY KWB				(INCHES / MM)			(LBS / KG)
		86.020	129.030	193.550	258.060	7	(•	Net*
		RUN TIMES				Height	Depth	Width	
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
l i	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
1 [2G8-TSXXX22-HXXX	22	12	5	-	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	5248 / 2385
1 [2G8-TSXXX27-HXXX	27	15	7	-	78.7 / 1999	29.5 / 749.3	2 x (36 / 914)	5842 / 2655
1 [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
l i	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					

- 1) 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.
 2) All KWB ratings are calculated at 0.8 power factor. The inverter efficiency rating is 93%.
 3) 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.
 4) The TS series of cabinets are designed for multiple cabinet daisy-chain connections.