

[illegible]

Year	Country	City	Population	Area	Population Density	Urban Population	Urban Population Density
1941	USA	New York City	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	Los Angeles	500,000	500	1,000	500,000	1,000
1941	USA	Chicago	3,000,000	3,000	1,000	3,000,000	1,000
1941	USA	San Francisco	800,000	800	1,000	800,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Marcos	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Bernardino	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Francisco	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Marcos	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Bernardino	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Francisco	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Marcos	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Bernardino	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Francisco	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Marcos	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Bernardino	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Francisco	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Marcos	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Bernardino	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Francisco	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Jose	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Antonio	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Diego	1,000,000	1,000	1,000	1,000,000	1,000
1941	USA	San Luis Obispo					

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High Quality, Green Ink

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ALKALINE BATTERY TTKST Ultra Digital Alkaline Battery is newly designed by TTKST. It has 1.5V and the high drain device with more than 15 years warranty after 1000000 performance by 30mA. Current, 1000000 cycles and 1000000 cycles.

Model	Size	Reliability	Accuracy	Performance (FPS)	System Reliability	Security
YOLO	100M	95%	92.0%	30.2 FPS	High	Medium
YOLO	150M	96.5%	93.5%	28.5 FPS	High	Medium
YOLO	200M	97%	94.5%	27.0 FPS	High	Medium
YOLO	250M	97.5%	95.0%	26.0 FPS	High	Medium
YOLO	300M	98%	95.5%	25.0 FPS	High	Medium
YOLO	350M	98.5%	96.0%	24.0 FPS	High	Medium
YOLO	400M	99%	96.5%	23.0 FPS	High	Medium
YOLO	450M	99.5%	97.0%	22.0 FPS	High	Medium
YOLO	500M	99.8%	97.5%	21.0 FPS	High	Medium
YOLO	550M	99.9%	98.0%	20.0 FPS	High	Medium
YOLO	600M	100%	98.5%	19.0 FPS	High	Medium
YOLO	650M	100%	99.0%	18.0 FPS	High	Medium
YOLO	700M	100%	99.5%	17.0 FPS	High	Medium
YOLO	750M	100%	99.8%	16.0 FPS	High	Medium
YOLO	800M	100%	100%	15.0 FPS	High	Medium
YOLO	850M	100%	100%	14.0 FPS	High	Medium
YOLO	900M	100%	100%	13.0 FPS	High	Medium
YOLO	950M	100%	100%	12.0 FPS	High	Medium
YOLO	1000M	100%	100%	11.0 FPS	High	Medium

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2019-2020 Environmental Report
Environmental Management

POWER THE WORLD

PROFESSIONAL BATTERY
MANUFACTURER



Li-FeS2 Battery

Model	Capacity (mAh)	Dimensions (mm)	Weight (g)	Operating Temp. (°C)	Self-discharge (%)	Shelf life (months)
2500	2500	14.5x44x54	40	-20~55	3.5	12
2500	2500	14.5x44x54	40	-20~55	3.5	12

Zinc Air Battery

Model	Capacity (mAh)	Dimensions (mm)	Weight (g)	Operating Temp. (°C)	Self-discharge (%)	Shelf life (months)
2500	2500	14.5x44x54	40	-20~55	3.5	12
2500	2500	14.5x44x54	40	-20~55	3.5	12



Li-MnO2 Battery

Model	Capacity (mAh)	Dimensions (mm)	Weight (g)	Operating Temp. (°C)	Self-discharge (%)	Shelf life (months)
2500	2500	14.5x44x54	40	-20~55	3.5	12
2500	2500	14.5x44x54	40	-20~55	3.5	12



Li-SOCL2 Battery

Model	Capacity (mAh)	Dimensions (mm)	Weight (g)	Operating Temp. (°C)	Self-discharge (%)	Shelf life (months)
2500	2500	14.5x44x54	40	-20~55	3.5	12
2500	2500	14.5x44x54	40	-20~55	3.5	12

Application Scenario



Lithium Manganese Button Cell

Model	Capacity (mAh)	Dimensions (mm)	Weight (g)	Operating Temp. (°C)	Self-discharge (%)	Shelf life (months)
2500	2500	14.5x44x54	40	-20~55	3.5	12
2500	2500	14.5x44x54	40	-20~55	3.5	12



Tag	Type	Coordinates		Altitude (m)	Temperature (°C)	Relative humidity (%)	Air quality (µg/m³)
		Longitude	Latitude				
Asia	Asia/CHN	100.00	35.00	500	22.0	50	5
	Asia/IND	75.00	10.00	100	28.0	70	8.5
	Asia/PAK	73.00	33.00	50	25.0	60	10
	Asia/THA	101.00	18.00	100	26.0	55	6.5
	Asia/VNM	105.00	16.00	100	27.0	58	7
AFR	AFR/EGY	30.00	30.00	800	20.0	40	3.5
	AFR/ETH	40.00	9.00	100	24.0	65	10.5
	AFR/KEN	35.00	-1.00	100	23.0	60	9
	AFR/SUD	35.00	4.00	100	26.0	70	11
	AFR/TUN	10.00	36.00	100	18.0	35	3
EUA	EUA/GER	10.00	50.00	500	10.0	80	10
	EUA/FRA	0.00	46.00	100	12.0	75	12
	EUA/ITA	12.00	41.00	100	11.0	70	11
	EUA/ESP	-4.00	40.00	100	13.0	78	13
	EUA/UK	0.00	51.00	100	9.0	85	14
NA	NA/USA	-87.00	41.00	200	15.0	60	10
	NA/MEX	-99.00	19.00	100	25.0	70	11
	NA/CAN	-100.00	55.00	100	10.0	80	12
	NA/BRA	-46.00	-15.00	100	27.0	75	13
	NA/ARG	-60.00	-34.00	100	22.0	65	9
SNG	SNG/IND	75.00	10.00	100	28.0	70	8.5
	SNG/PAK	73.00	33.00	50	25.0	60	10
	SNG/THA	101.00	18.00	100	26.0	55	6.5
	SNG/VNM	105.00	16.00	100	27.0	58	7
	SNG/EGY	30.00	30.00	800	20.0	40	3.5
ISC	ISC/CHN	100.00	35.00	500	22.0	50	5
	ISC/IND	75.00	10.00	100	28.0	70	8.5
	ISC/PAK	73.00	33.00	50	25.0	60	10
	ISC/THA	101.00	18.00	100	26.0	55	6.5
	ISC/VNM	105.00	16.00	100	27.0	58	7
C	C/CHN	100.00	35.00	500	22.0	50	5
	C/IND	75.00	10.00	100	28.0	70	8.5
	C/PAK	73.00	33.00	50	25.0	60	10
	C/THA	101.00	18.00	100	26.0	55	6.5
	C/VNM	105.00	16.00	100	27.0	58	7
E	E/CHN	100.00	35.00	500	22.0	50	5
	E/IND	75.00	10.00	100	28.0	70	8.5
	E/PAK	73.00	33.00	50	25.0	60	10
	E/THA	101.00	18.00	100	26.0	55	6.5
	E/VNM	105.00	16.00	100	27.0	58	7
F	F/CHN	100.00	35.00	500	22.0	50	5
	F/IND	75.00	10.00	100	28.0	70	8.5
	F/PAK	73.00	33.00	50	25.0	60	10
	F/THA	101.00	18.00	100	26.0	55	6.5
	F/VNM	105.00	16.00	100	27.0	58	7
W	W/CHN	100.00	35.00	500	22.0	50	5
	W/IND	75.00	10.00	100	28.0	70	8.5
	W/PAK	73.00	33.00	50	25.0	60	10
	W/THA	101.00	18.00	100	26.0	55	6.5
	W/VNM	105.00	16.00	100	27.0	58	7



Country	Year	Population (millions)			
		1980	1985	1990	1995
Algeria	1980	12.1	12.5	12.9	13.3
Algeria	1985	12.5	12.9	13.3	13.7
Algeria	1990	12.9	13.3	13.7	14.1
Algeria	1995	13.3	13.7	14.1	14.5
Algeria	2000	13.7	14.1	14.5	14.9
Algeria	2005	14.1	14.5	14.9	15.3
Algeria	2010	14.5	14.9	15.3	15.7
Algeria	2015	14.9	15.3	15.7	16.1
Algeria	2020	15.3	15.7	16.1	16.5
Algeria	2025	15.7	16.1	16.5	16.9
Algeria	2030	16.1	16.5	16.9	17.3
Algeria	2035	16.5	16.9	17.3	17.7
Algeria	2040	16.9	17.3	17.7	18.1
Algeria	2045	17.3	17.7	18.1	18.5
Algeria	2050	17.7	18.1	18.5	18.9
Algeria	2055	18.1	18.5	18.9	19.3
Algeria	2060	18.5	18.9	19.3	19.7
Algeria	2065	18.9	19.3	19.7	20.1
Algeria	2070	19.3	19.7	20.1	20.5
Algeria	2075	19.7	20.1	20.5	20.9
Algeria	2080	20.1	20.5	20.9	21.3
Algeria	2085	20.5	20.9	21.3	21.7
Algeria	2090	20.9	21.3	21.7	22.1
Algeria	2095	21.3	21.7	22.1	22.5
Algeria	2100	21.7	22.1	22.5	22.9
Algeria	2105	22.1	22.5	22.9	23.3
Algeria	2110	22.5	22.9	23.3	23.7
Algeria	2115	22.9	23.3	23.7	24.1
Algeria	2120	23.3	23.7	24.1	24.5
Algeria	2125	23.7	24.1	24.5	24.9
Algeria	2130	24.1	24.5	24.9	25.3
Algeria	2135	24.5	24.9	25.3	25.7
Algeria	2140	24.9	25.3	25.7	26.1
Algeria	2145	25.3	25.7	26.1	26.5
Algeria	2150	25.7	26.1	26.5	26.9
Algeria	2155	26.1	26.5	26.9	27.3
Algeria	2160	26.5	26.9	27.3	27.7
Algeria	2165	26.9	27.3	27.7	28.1
Algeria	2170	27.3	27.7	28.1	28.5
Algeria	2175	27.7	28.1	28.5	28.9
Algeria	2180	28.1	28.5	28.9	29.3
Algeria	2185	28.5	28.9	29.3	29.7
Algeria	2190	28.9	29.3	29.7	30.1
Algeria	2195	29.3	29.7	30.1	30.5
Algeria	2200	29.7	30.1	30.5	30.9
Algeria	2205	30.1	30.5	30.9	31.3
Algeria	2210	30.5	30.9	31.3	31.7
Algeria	2215	30.9	31.3	31.7	32.1
Algeria	2220	31.3	31.7	32.1	32.5
Algeria	2225	31.7	32.1	32.5	32.9
Algeria	2230	32.1	32.5	32.9	33.3
Algeria	2235	32.5	32.9	33.3	33.7
Algeria	2240	32.9	33.3	33.7	34.1
Algeria	2245	33.3	33.7	34.1	34.5
Algeria	2250	33.7	34.1	34.5	34.9
Algeria	2255	34.1	34.5	34.9	35.3
Algeria	2260	34.5	34.9	35.3	35.7
Algeria	2265	34.9	35.3	35.7	36.1
Algeria	2270	35.3	35.7	36.1	36.5
Algeria	2275	35.7	36.1	36.5	36.9
Algeria	2280	36.1	36.5	36.9	37.3
Algeria	2285	36.5	36.9	37.3	37.7
Algeria	2290	36.9	37.3	37.7	38.1
Algeria	2295	37.3	37.7	38.1	38.5
Algeria	2300	37.7	38.1	38.5	38.9
Algeria	2305	38.1	38.5	38.9	39.3
Algeria	2310	38.5	38.9	39.3	39.7
Algeria	2315	38.9	39.3	39.7	40.1
Algeria	2320	39.3	39.7	40.1	40.5
Algeria	2325	39.7	40.1	40.5	40.9
Algeria	2330	40.1	40.5	40.9	41.3
Algeria	2335	40.5	40.9	41.3	41.7
Algeria	2340	40.9	41.3	41.7	42.1
Algeria	2345	41.3	41.7	42.1	42.5
Algeria	2350	41.7	42.1	42.5	42.9
Algeria	2355	42.1	42.5	42.9	43.3
Algeria	2360	42.5	42.9	43.3	43.7
Algeria	2365	42.9	43.3	43.7	44.1
Algeria	2370	43.3	43.7	44.1	44.5
Algeria	2375	43.7	44.1	44.5	44.9
Algeria	2380	44.1	44.5	44.9	45.3
Algeria	2385	44.5	44.9	45.3	45.7
Algeria	2390	44.9	45.3	45.7	46.1
Algeria	2395	45.3	45.7	46.1	46.5
Algeria	2400	45.7	46.1	46.5	46.9
Algeria	2405	46.1	46.5	46.9	47.3
Algeria	2410	46.5	46.9	47.3	47.7
Algeria	2415	46.9	47.3	47.7	48.1
Algeria	2420	47.3	47.7	48.1	48.5
Algeria	2425	47.7	48.1	48.5	48.9
Algeria	2430	48.1	48.5	48.9	49.3
Algeria	2435	48.5	48.9	49.3	49.7
Algeria	2440	48.9	49.3	49.7	50.1
Algeria	2445	49.3	49.7	50.1	50.5
Algeria	2450	49.7	50.1	50.5	50.9
Algeria	2455	50.1	50.5	50.9	51.3
Algeria	2460	50.5	50.9	51.3	51.7
Algeria	2465	50.9	51.3	51.7	52.1
Algeria	2470	51.3	51.7	52.1	52.5
Algeria	2475	51.7	52.1	52.5	52.9
Algeria	2480	52.1	52.5	52.9	53.3
Algeria	2485	52.5	52.9	53.3	53.7
Algeria	2490	52.9	53.3	53.7	54.1
Algeria	2495	53.3	53.7	54.1	54.5
Algeria	2500	53.7	54.1	54.5	54.9
Algeria	2505	54.1	54.5	54.9	55.3
Algeria	2510	54.5	54.9	55.3	55.7
Algeria	2515	54.9	55.3	55.7	56.1
Algeria	2520	55.3	55.7	56.1	56.5
Algeria	2525	55.7	56.1	56.5	56.9
Algeria	2530	56.1	56.5	56.9	57.3
Algeria	2535	56.5	56.9	57.3	57.7
Algeria	2540	56.9	57.3	57.7	58.1
Algeria	2545	57.3	57.7	58.1	58.5
Algeria	2550	57.7	58.1	58.5	58.9
Algeria	2555	58.1	58.5	58.9	59.3
Algeria	2560	58.5	58.9	59.3	59.7
Algeria	2565	58.9	59.3	59.7	60.1
Algeria	2570	59.3	59.7	60.1	60.5
Algeria	2575	59.7	60.1	60.5	60.9
Algeria	2580	60.1	60.5	60.9	61.3
Algeria	2585	60.5	60.9	61.3	61.7
Algeria	2590	60.9	61.3	61.7	62.1
Algeria	2595	61.3	61.7	62.1	62.5
Algeria	2600	61.7	62.1	62.5	62.9
Algeria	2605	62.1	62.5	62.9	63.3
Algeria	2610	62.5	62.9	63.3	63.7
Algeria	2615	62.9	63.3	63.7	64.1
Algeria	2620	63.3	63.7	64.1	64.5
Algeria	2625	63.7	64.1	64.5	64.9
Algeria	2630	64.1	64.5	64.9	65.3
Algeria	2635	64.5	64.9	65.3	65.7
Algeria	2640	64.9	65.3	65.7	66.1
Algeria	2645	65.3	65.7	66.1	66.5
Algeria	2650	65.7	66.1	66.5	66.9
Algeria	2655	66.1	66.5	66.9	67.3
Algeria	2660	66.5	66.9	67.3	67.7
Algeria	2665	66.9	67.3	67.7	68.1
Algeria	2670	67.3	67.7	68.1	68.5
Algeria	2675	67.7	68.1	68.5	68.9
Algeria	2680	68.1	68.5	68.9	69.3
Algeria	2685	68.5	68.9	69.3	69.7
Algeria	2690	68.9	69.3	69.7	70.1
Algeria	2695	69.3	69.7	70.1	70.5
Algeria	2700	69.7	70.1	70.5	70.9
Algeria	2705	70.1	70.5	70.9	71.3
Algeria	2710	70.5	70.9	71.3	71.7
Algeria	2715	70.9	71.3	71.7	72.1
Algeria	2720	71.3	71.7	72.1	72.5
Algeria	2725	71.7	72.1	72.5	72.9
Algeria	2730	72.1	72.5	72.9	73.3
Algeria	2735	72.5	72.9	73.3	73.7
Algeria	2740	72.9	73.3	73.7	74.1
Algeria	2745	73.3	73.7	74.1	74.5
Algeria	2750	73.7	74.1	74.5	74.9
Algeria	2755	74.1	74.5	74.9	75.3
Algeria	2760	74.5	74.9	75.3	75.7
Algeria	2765	74.9	75.3	75.7	76.1
Algeria	2770	75.3	75.7	76.1	76.5
Algeria	2775	75.7	76.1	76.5	76.9
Algeria	2780	76.1	76.5	76.9	77.3
Algeria	2785	76.5	76.9	77.3	77.7
Algeria	2790	76.9	77.3	77.7	78.1
Algeria	2795	77.3	77.7	78.1	78.5
Algeria	2800	77.7	78.1	78.5	78.9
Algeria	2805	78.1	78.5	78.9	79.3
Algeria	2810	78.5	78.9	79.3	79.7
Algeria	2815	78.9	79.3	79.7	80.1
Algeria	2820	79.3	79.7	80.1	80.5
Algeria	2825	79.7	80.1	80.5	80.9
Algeria	2830	80.1	80.5	80.9	81.3
Algeria	2835	80.5	80.9	81.3	81.7
Algeria	2840	80.9	81.3	81.7	82.1
Algeria	2845	81.3	81.7	82.1	82.5
Algeria	2850	81.7	82.1	82.5	82.9
Algeria	2855	82.1	82.5	82.9	83.3
Algeria	2860	82.5	82.9	83.3	83.7
Algeria	2865	82.9	83.3	83.7	84.1
Algeria	2870	83.3	83.7	84.1	84.5
Algeria	2875	83.7	84.1	84.5	84.9
Algeria	2880	84.1	84.5	84.9	85.3
Algeria	2885	84.5	84.9	85.3	85.7
Algeria	2890	84.9	85.3	85.7	86.1
Algeria	2895	85.3	85.7	86.1	86.5
Algeria	2900	85.7	86.1	86.5	86.9
Algeria	2905	86.1	86.5	86.9	87.3
Algeria	2910	86.5	86.9	87.3	87.7
Algeria	2915	86.9	87.3	87.7	88.1
Algeria	2920	87.3	87.7	88.1	88.5
Algeria	2925	87.7	88.1	88.5	88.9
Algeria	2930	88.1	88.5	88.9	89.3
Algeria	2935	88.5	88.9	89.3	89.7
Algeria	2940	88.9	89.3	89.7	90.1
Algeria	2945	89.3	89.7	90.1	90.5
Algeria	2950	89.7	90.1	90.5	90.9
Algeria	2955	90.1	90.5	90.9	91.3
Algeria	2960	90.5	90.9	91.3	91.7
Algeria	2965	90.9	91.3	91.7	92.1
Algeria	2970	91.3	91.7	92.1	92.5
Algeria	2975	91.7	92.1	92.5	92.9
Algeria	2980	92.1	92.5	92.9	93.3
Algeria	2985	92.5	92.9	93.3	93.7
Algeria	2990	92.9	93.3	93.7	94.1
Algeria	2995	93.3	93.7	94.1	94.5
Algeria	3000	93.7	94.1	94.5	94.9

Model	Year	Age	Sex	Weight (kg)	Length (cm)	Condition	Notes
1980-1981	1981	1980	1980	1980	1980	1980	1980
1982-1983	1983	1982	1982	1982	1982	1982	1982
1984-1985	1985	1984	1984	1984	1984	1984	1984
1986-1987	1987	1986	1986	1986	1986	1986	1986
1988-1989	1989	1988	1988	1988	1988	1988	1988
1990-1991	1991	1990	1990	1990	1990	1990	1990
1992-1993	1993	1992	1992	1992	1992	1992	1992
1994-1995	1995	1994	1994	1994	1994	1994	1994
1996-1997	1997	1996	1996	1996	1996	1996	1996
1998-1999	1999	1998	1998	1998	1998	1998	1998
2000-2001	2001	2000	2000	2000	2000	2000	2000
2002-2003	2003	2002	2002	2002	2002	2002	2002
2004-2005	2005	2004	2004	2004	2004	2004	2004
2006-2007	2007	2006	2006	2006	2006	2006	2006
2008-2009	2009	2008	2008	2008	2008	2008	2008
2010-2011	2011	2010	2010	2010	2010	2010	2010
2012-2013	2013	2012	2012	2012	2012	2012	2012
2014-2015	2015	2014	2014	2014	2014	2014	2014
2016-2017	2017	2016	2016	2016	2016	2016	2016
2018-2019	2019	2018	2018	2018	2018	2018	2018
2020-2021	2021	2020	2020	2020	2020	2020	2020
2022-2023	2023	2022	2022	2022	2022	2022	2022
2024-2025	2025	2024	2024	2024	2024	2024	2024
2026-2027	2027	2026	2026	2026	2026	2026	2026
2028-2029	2029	2028	2028	2028	2028	2028	2028
2030-2031	2031	2030	2030	2030	2030	2030	2030
2032-2033	2033	2032	2032	2032	2032	2032	2032
2034-2035	2035	2034	2034	2034	2034	2034	2034
2036-2037	2037	2036	2036	2036	2036	2036	2036
2038-2039	2039	2038	2038	2038	2038	2038	2038
2040-2041	2041	2040	2040	2040	2040	2040	2040
2042-2043	2043	2042	2042	2042	2042	2042	2042
2044-2045	2045	2044	2044	2044	2044	2044	2044
2046-2047	2047	2046	2046	2046	2046	2046	2046
2048-2049	2049	2048	2048	2048	2048	2048	2048
2050-2051	2051	2050	2050	2050	2050	2050	2050
2052-2053	2053	2052	2052	2052	2052	2052	2052
2054-2055	2055	2054	2054	2054	2054	2054	2054
2056-2057	2057	2056	2056	2056	2056	2056	2056
2058-2059	2059	2058	2058	2058	2058	2058	2058
2060-2061	2061	2060	2060	2060	2060	2060	2060
2062-2063	2063	2062	2062	2062	2062	2062	2062
2064-2065	2065	2064	2064	2064	2064	2064	2064
2066-2067	2067	2066	2066	2066	2066	2066	2066
2068-2069	2069	2068	2068	2068	2068	2068	2068
2070-2071	2071	2070	2070	2070	2070	2070	2070
2072-2073	2073	2072	2072	2072	2072	2072	2072
2074-2075	2075	2074	2074	2074	2074	2074	2074
2076-2077	2077	2076	2076	2076	2076	2076	2076
2078-2079	2079	2078	2078	2078	2078	2078	2078
2080-2081	2081	2080	2080	2080	2080	2080	2080
2082-2083	2083	2082	2082	2082	2082	2082	2082
2084-2085	2085	2084	2084	2084	2084	2084	2084
2086-2087	2087	2086	2086	2086	2086	2086	2086
2088-2089	2089	2088	2088	2088	2088	2088	2088
2090-2091	2091	2090	2090	2090	2090	2090	2090
2092-2093	2093	2092	2092	2092	2092	2092	2092
2094-2095	2095	2094	2094	2094	2094	2094	2094
2096-2097	2097	2096	2096	2096	2096	2096	2096
2098-2099	2099	2098	2098	2098	2098	2098	2098
2100-2101	2101	2100	2100	2100	2100	2100	2100
2102-2103	2103	2102	2102	2102	2102	2102	2102
2104-2105	2105	2104	2104	2104	2104	2104	2104
2106-2107	2107	2106	2106	2106	2106	2106	2106
2108-2109	2109	2108	2108	2108	2108	2108	2108
2110-2111	2111	2110	2110	2110	2110	2110	2110
2112-2113	2113	2112	2112	2112	2112	2112	2112
2114-2115	2115	2114	2114	2114	2114	2114	2114
2116-2117	2117	2116	2116	2116	2116	2116	2116
2118-2119	2119	2118	2118	2118	2118	2118	2118
2120-2121	2121	2120	2120	2120	2120	2120	2120
2122-2123	2123	2122	2122	2122	2122	2122	2122
2124-2125	2125	2124	2124	2124	2124	2124	2124
2126-2127	2127	2126	2126	2126	2126	2126	2126
2128-2129	2129	2128	2128	2128	2128	2128	2128
2130-2131	2131	2130	2130	2130	2130	2130	2130
2132-2133	2133	2132	2132	2132	2132	2132	2132
2134-2135	2135	2134	2134	2134	2134	2134	2134
2136-2137	2137	2136	2136	2136	2136	2136	2136
2138-2139	2139	2138	2138	2138	2138	2138	2138
2140-2141	2141	2140	2140	2140	2140	2140	2140
2142-2143	2143	2142	2142	2142	2142	2142	2142
2144-2145	2145	2144	2144	2144	2144	2144	2144
2146-2147	2147	2146	2146	2146	2146	2146	2146
2148-2149	2149	2148	2148	2148	2148	2148	2148
2150-2151	2151	2150	2150	2150	2150	2150	2150
2152-2153	2153	2152	2152	2152	2152	2152	2152
2154-2155	2155	2154	2154	2154	2154	2154	2154
2156-2157	2157	2156	2156	2156	2156	2156	2156
2158-2159	2159	2158	2158	2158	2158	2158	2158
2160-2161	2161	2160	2160	2160	2160	2160	2160
2162-2163	2163	2162	2162	2162	2162	2162	2162
2164-2165	2165	2164	2164	2164	2164	2164	2164
2166-2167	2167	2166	2166	2166	2166	2166	2166
2168-2169	2169	2168	2168	2168	2168	2168	2168
2170-2171	2171	2170	2170	2170	2170	2170	2170
2172-2173	2173	2172	2172	2172	2172	2172	2172
2174-2175	2175	2174	2174	2174	2174	2174	2174
2176-2177	2177	2176	2176	2176	2176	2176	2176
2178-2179	2179	2178	2178	2178	2178	2178	2178
2180-2181	2181	2180	2180	2180	2180	2180	2180
2182-2183	2183	2182	2182	2182	2182	2182	2182
2184-2185	2185	2184	2184	2184	2184	2184	2184
2186-2187	2187	2186	2186	2186	2186	2186	2186
2188-2189	2189	2188	2188	2188	2188	2188	2188
2190-2191	2191	2190	2190	2190	2190	2190	2190
2192-2193	2193	2192	2192	2192	2192	2192	2192
2194-2195	2195	2194	2194	2194	2194	2194	2194
2196-2197	2197	2196	2196	2196	2196	2196	2196
2198-2199	2199	2198	2198	2198	2198	2198	2198
2200-2201	2201	2200	2200	2200	2200	2200	2200
2202-2203	2203	2202	2202	2202	2202	2202	2202
2204-2205	2205	2204	2204	2204	2204	2204	2204
2206-2207	2207	2206	2206	2206	2206	2206	2206
2208-2209	2209	2208	2208	2208	2208	2208	2208
2210-2211	2211	2210	2210	2210	2210	2210	2210
2212-2213	2213	2212	2212	2212	2212	2212	2212
2214-2215	2215	2214	2214	2214	2214	2214	2214
2216-2217	2217	2216	2216	2216	2216	2216	2216
2218-2219	2219	2218	2218	2218	2218	2218	2218
2220-2221	2221	2220	2220	2220	2220	2220	2220
2222-2223	2223	2222	2222	2222	2222	2222	2222
2224-2225	2225	2224	2224	2224	2224	2224	2224
2226-2227	2227	2226	2226	2226	2226	2226	2226
2228-2229	2229	2228	2228	2228	2228	2228	2228
2230-2231	2231	2230	2230	2230	2230	2230	2230
2232-2233	2233	2232	2232	2232	2232	2232	2232
2234-2235	2235	2234	2234	2234	2234	2234	2234
2236-2237	2237	2236	2236	2236	2236	2236	2236
2238-2239	2239	2238	2238	2238	2238	2238	2238
2240-2241	2241	2240	2240	2240	2240	2240	2240
2242-2243	2243	2242	2242	2242	2242	2242	2242
2244-2245	2245	2244	2244	2244	2244	2244	2244
2246-2247	2247	2246	2246	2246	2246	2246	2246
2248-2249	2249	2248	2248	2248	2248	2248	2248
2250-2251	2251	2250	2250	2250	2250	2250	2250
2252-2253	2253	2252	2252	2252	2252	2252	2252
2254-2255	2255	2254	2254	2254	2254	2254	2254
2256-2257	2257	2256	2256	2256	2256	2256	2256
2258-2259	2259	2258	2258	2258	2258	2258	2258
2260-2261	2261	2260	2260	2260	2260	2260	2260
2262-2263	2263	2262	2262	2262	2262	2262	2262
2264-2265	2265	2264	2264	2264	2264	2264	2264
2266-2267	2267	2266	2266	2266	2266	2266	2266
2268-2269	2269	2268	2268	2268	2268	2268	2268
2270-2271	2271	2270	2270	2270	2270	2270	2270
2272-2273	2273	2272	2272	2272	2272	2272	2272
2274-2275	2275	2274	2274	2274	2274	2274	2274
2276-2277	2277	2276	2276	2276	2276	2276	2276
2278-2279	2279	2278	2278	2278	2278	2278	2278
2280-2281	2281	2280	2280	2280	2280	2280	2280
2282-2283	2283	2282	2282	2282	2282	2282	2282
2284-2285</							

Name	Category	Performance			Notes
		Configuration	Configuration	Configuration	
AMD Ryzen 5 3600	Processor	3.6 GHz	3.6 GHz	3.6 GHz	100
Intel Core i7-9700K	Processor	4.9 GHz	4.9 GHz	4.9 GHz	90
Apple M1 Pro	Processor	3.2 GHz	3.2 GHz	3.2 GHz	85
AMD Ryzen 7 5800X	Processor	4.7 GHz	4.7 GHz	4.7 GHz	80
Intel Core i9-10900K	Processor	5.3 GHz	5.3 GHz	5.3 GHz	75
AMD Ryzen 9 5900X	Processor	4.7 GHz	4.7 GHz	4.7 GHz	70
Intel Core i7-11700K	Processor	5.0 GHz	5.0 GHz	5.0 GHz	65
AMD Ryzen 7 5700G	Processor	3.8 GHz	3.8 GHz	3.8 GHz	60
Intel Core i5-11600K	Processor	4.9 GHz	4.9 GHz	4.9 GHz	55
AMD Ryzen 5 5600G	Processor	3.9 GHz	3.9 GHz	3.9 GHz	50
Intel Core i3-11320	Processor	4.4 GHz	4.4 GHz	4.4 GHz	45
AMD Ryzen 3 5300X	Processor	3.8 GHz	3.8 GHz	3.8 GHz	40
Intel Core i7-12700K	Processor	5.2 GHz	5.2 GHz	5.2 GHz	35
AMD Ryzen 7 7700	Processor	4.3 GHz	4.3 GHz	4.3 GHz	30
Intel Core i9-13900K	Processor	5.8 GHz	5.8 GHz	5.8 GHz	25
AMD Ryzen 9 7900X	Processor	5.0 GHz	5.0 GHz	5.0 GHz	20
Intel Core i7-13700K	Processor	5.4 GHz	5.4 GHz	5.4 GHz	15
AMD Ryzen 7 7700X	Processor	4.5 GHz	4.5 GHz	4.5 GHz	10
Intel Core i5-13600K	Processor	5.1 GHz	5.1 GHz	5.1 GHz	5
AMD Ryzen 5 7600	Processor	4.2 GHz	4.2 GHz	4.2 GHz	0

Variable	Tingkat Kepercayaan Diri			
	1 (Tidak Pernah)	2 (Sering)	3 (Sangat Sering)	4 (Tidak Pernah)
1. Tidak Pernah	31	250	833	70
2. Sering	37	250	833	70
3. Sangat Sering	37	833	833	70
4. Tidak Pernah	37	250	833	70
5. Sangat Sering	37	250	833	70
6. Tidak Pernah	37	250	833	70
7. Sangat Sering	37	250	833	70



Lithium Ion Rechargeable Battery

[illegible]



Lithium Type-C Rechargeable Battery

Type	Model	Nominal Voltage	Rated Capacity	Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)
LiFePO4	Type-C 10	3.7V	800mAh	2000	750	750	>1000
LiFePO4	Type-C 10	3.7V	1100mAh	2000	750	750	>1000
LiFePO4	Type-C 10	3.7V	1500mAh	2000	750	750	>1000
LiFePO4	Type-C 10	3.7V	2000mAh	2000	750	750	>1000



BATTERY CHARGER

Model	Specification	Input Voltage	Output Voltage	Output Current	Output Power	Output Voltage	Output Current	Output Power
CH01	1. 1000mAh 2. 1000mAh 3. 1000mAh 4. 1000mAh 5. 1000mAh 6. 1000mAh 7. 1000mAh 8. 1000mAh 9. 1000mAh 10. 1000mAh	5V	5V	1A	5W	5V	1A	5W
CH02	1. 1000mAh 2. 1000mAh 3. 1000mAh 4. 1000mAh 5. 1000mAh 6. 1000mAh 7. 1000mAh 8. 1000mAh 9. 1000mAh 10. 1000mAh	5V	5V	1A	5W	5V	1A	5W
CH03	1. 1000mAh 2. 1000mAh 3. 1000mAh 4. 1000mAh 5. 1000mAh 6. 1000mAh 7. 1000mAh 8. 1000mAh 9. 1000mAh 10. 1000mAh	5V	5V	1A	5W	5V	1A	5W

RECHARGEABLE BATTERY&CHARGER

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Shenzhen Tcbest Battery Industry Co., Ltd. is a professional manufacturer of rechargeable batteries and chargers. We have a rich experience in the field of battery and charger. Our products are widely used in various fields. We are committed to providing high-quality products and services to our customers. We welcome your inquiry and cooperation.

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Tel: 86-755-29575555
Fax: 86-755-29575555
E-mail: tcbest@tcbest.com



NI-MH/NI-CD Button Cell

Model	Capacity (mAh)	Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)
1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000



Lithium Ion Button Cell

Model	Capacity (mAh)	Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)	Typical Discharge Current (mA)
1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000
1000	1000	1000	1000	1000	1000	1000



LI-PO BATTERY

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Lithium Polymer Battery



Major Features For Lithium Polymer Battery

- ※ **Light Weight**
The Lithium Polymer cell is 40% lighter than the same specification of the steel shell liquid lithium cell, and 20% lighter than aluminum shell liquid lithium cell.
- ※ **High Capacity**
10-15% more than the same specification steel and 5%-10% more than aluminum shell liquid lithium cell.
- ※ **Excellent Discharge Performance**
Lithium Polymer battery applies gelled electrolyte with stable discharge characteristics and higher discharge plateau.
- ※ **Long-life Cycles**
Lithium Polymer battery can have more than general cycle life of 500 times in normal operation.
- ※ **Excellent Safety Performance**
Since aluminum blister is adopted as battery outer package, it is safer than steel liquid lithium cell.
- ※ **Low Internal Resistance, No Memory Effects**
- ※ **Customized Shape**
The thickness and shape can be made according to the requirements of customers.

Tcbest Li-Polymer Batteries offer high capacity, excellent discharge performance, long life cycles and excellent safety performance.Widely used in power tools, electric bicycles, electric motorcycles, electric vehicles and other fields.



Lithium Polymer Battery Specification

Model	Nominal Voltage	Capacity (mAh)	Dimension (mm)		
			T(±0.2)	W(±0.2)	H(±0.2)
252045	3.7V	180	2.5	20.0	45.0
252274	3.7V	350	2.5	22.0	74.0
254049	3.7V	450	2.5	40.0	49.0
262535	3.7V	180	2.6	25.0	35.0
283040	3.7V	310	2.8	30.0	40.0
284346	3.7V	500	2.8	43.0	46.0
291155	3.7V	120	2.9	11.0	55.0
301030	3.7V	60	3.0	10.0	30.0
301045	3.7V	100	3.0	10.0	45.0
301025	3.7V	75	3.0	10.0	25.0
301730	3.7V	110	3.0	17.0	30.0
301265	3.7V	190	3.0	12.0	65.0
302323	3.7V	110/90	3.0	23.0	23.0
302030	3.7V	140	3.0	20.0	30.0
302025	3.7V	110	3.0	20.0	25.0
302035	3.7V	160	3.0	20.0	35.0
302530	3.7V	170	3.0	25.0	30.0
302535	3.7V	210	3.0	25.0	35.0
302628	3.7V	180	3.0	26.0	28.0
302050	3.7V	250	3.0	20.0	50.0
302860	3.7V	400	3.0	28.0	60.0
302060	3.7V	200	3.0	20.0	60.0
302247	3.7V	260	3.0	22.0	47.0
302664	3.7V	460	3.0	26.0	64.0
401020	3.7V	45	4.0	10.0	20.0
401025	3.7V	60	4.0	10.0	25.0
401119	3.7V	50	4.0	11.0	19.0
401122	3.7V	50	4.0	11.0	22.0
401263	3.7V	250	4.0	12.0	63.0
401428	3.7V	120	4.0	14.0	28.0
401425	3.7V	100	4.0	14.0	25.0
401550	3.7V	260	4.0	15.0	50.0
401725	3.7V	110	4.0	17.0	25.0
401633	3.7V	150	4.0	16.0	33.0
402020	3.7V	100	4.0	20.0	20.0
402025	3.7V	120	4.0	20.0	25.0



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Version-2024.03

Lithium Polymer Battery Specification

Model	Nominal Voltage	Capacity (mAh)	Dimension (mm)		
			T(±0.2)	W(±0.2)	H(±0.2)
402030	3.7V	150/180	4.0	20.0	30.0
402035	3.7V	230	4.0	20.0	35.0
402040	3.7V	260/280	4.0	20.0	40.0
402438	3.7V	350	4.0	24.0	38.0
402445	3.7V	380	4.0	24.0	45.0
501220	3.7V	80	5.0	12.0	20.0
501225	3.7V	100	5.0	12.0	25.0
501235	3.7V	150/160	5.0	12.0	35.0
501240	3.7V	200	5.0	12.0	40.0
501250	3.7V	240	5.0	12.0	50.0
501528	3.7V	150	5.0	15.0	28.0
501743	3.7V	290	5.0	17.0	43.0
501790	3.7V	720	5.0	17.0	90.0
501943	3.7V	400	5.0	19.0	43.0
502025	3.7V	180	5.0	20.0	25.0
502030	3.7V	180/250	5.0	20.0	30.0
502035	3.7V	300	5.0	20.0	35.0
502248	3.7V	470	5.0	22.0	48.0
502528	3.7V	300	5.0	25.0	28.0
601240	3.7V	240	6.0	12.0	40.0
601535	3.7V	260	6.0	15.0	35.0
601663	3.7V	560	6.0	16.0	63.0
601728	3.7V	220	6.0	17.0	28.0
602030	3.7V	270/300	6.0	20.0	30.0
602035	3.7V	350/370	6.0	20.0	35.0
602040	3.7V	420	6.0	20.0	40.0
602079	3.7V	950	6.0	20.0	79.0
602125	3.7V	250	6.0	21.0	25.0
602165	3.7V	820	6.0	21.0	65.0
602248	3.7V	600	6.0	22.0	48.0
602535	3.7V	500	6.0	25.0	35.0
602777	3.7V	1200	6.0	27.0	77.0
701438	3.7V	320	7.0	14.0	38.0
701716	3.7V	100	7.0	17.0	16.0
702030	3.7V	250-15C	7.0	20.0	30.0
702030	3.7V	270	7.0	20.0	30.0

Lithium Polymer Battery Specification

Model	Nominal Voltage	Capacity (mAh)	Dimension (mm)		
			T(±0.2)	W(±0.2)	H(±0.2)
702250	3.7V	750	7.0	22.0	50.0
706095	3.7V	4600	7.0	60.0	95.0
7065113	3.7V	6000	7.0	65.0	113.0
7065125	3.7V	7500	7.0	65.0	125.0
702535	3.7V	570	7.0	25.0	35.0
721634	3.7V	330	7.2	16.0	34.0
723449	3.7V	1200	7.2	34.0	49.0
751535	3.7V	360	7.5	15.0	35.0
752032	3.7V	200	7.5	20.0	32.0
752020	3.7V	220	7.5	20.0	20.0
752535	3.7V	610	7.5	25.0	35.0
752540	3.7V	750	7.5	25.0	40.0
753048	3.7V	1000	7.5	30.0	48.0
802025	3.7V	280	8.0	20.0	25.0
802535	3.7V	650	8.0	25.0	35.0
803040	3.7V	950	8.0	30.0	40.0
803450	3.7V	1550	8.0	34.0	50.0
802060	3.7V	900/1000	8.0	20.0	60.0
803777	3.7V	1000	8.0	37.0	77.0
8065113	3.7V	7500	8.0	65.0	113.0
805285	3.7V	3650	8.0	52.0	85.0
802063	3.7V	1000	8.0	20.0	63.0
901859	3.7V	700	9.0	18.0	59.0
902030	3.7V	450	9.0	20.0	30.0
902035	3.7V	600	9.0	20.0	35.0
904040	3.7V	1350	9.0	40.0	40.0
905382	3.7V	5000	9.0	53.0	82.0
102443	3.7V	900	10.0	24.0	43.0
102545	3.7V	1000	10.0	25.0	45.0
102777	3.7V	2200	10.0	27.0	77.0
103035	3.7V	1000	10.0	30.0	35.0
103568	3.7V	2000	10.0	35.0	68.0
1080155	3.7V	10000	10.0	80.0	155.0
103450	3.7V	1700	10.0	34.0	50.0
114450	3.7V	2500	11.0	44.0	50.0
123090	3.7V	2500	12.0	30.0	90.0



Shenzhen Tcbest Battery Industry CO.,LTD.

深圳天诚巨能科技有限公司

Professional Manufacturer of Lead Acid Battery

专业生产铅酸电池

http://www.tcbest.com.cn

PRODUCT

model

产品型号

TC Series:General Purpose Batteries

Emergency Lighting,Burglar/Fire Alarms,Remote Monitoring,Test and Measuring Equipment,and much more...

No.	MODEL	Nominal Voltage (V)	Capacity (Ah/20HR)	Dimension(mm/Kg)(±5%)				Dimension(inch/Pound)(±5%)				Terminal		
				Length	width	Height	Total Height	Length	width	Height	Total Height			
1	TC445	4	4.5	47	47	101	107	0.46	1.85	1.85	3.97	4.21	1.02	F1
2	TC450	4	5	47	47	101	107	0.50	1.85	1.85	3.97	4.21	1.11	F1
3	TC480	4	6	47	47	101	107	0.58	1.85	1.85	3.97	4.21	1.28	F1
4	TC480S	4	6	70	47	101	107	0.75	2.75	1.85	3.97	4.21	1.66	F1
5	TC4100	4	10	102	44	95	101	1.00	4.01	1.73	3.74	3.97	2.21	F1
6	TC610	6	1	51	42	51	57	0.25	2.01	1.65	2.01	2.24	0.55	F1
7	TC612	6	1.2	97	24	52	58	0.28	3.82	0.94	2.05	2.28	0.62	F1
8	TC613	6	1.3	97	24	52	58	0.30	3.85	0.94	2.05	2.28	0.66	F1
9	TC620	6	2	70	47	101	107	0.40	2.75	1.85	3.97	4.21	0.88	F1
10	TC628	6	2.8	66	33	97	103	0.50	2.00	1.30	3.82	4.05	1.11	F1
11	TC630	6	3	70	47	101	107	0.58	2.75	1.85	3.97	4.21	1.24	F1
12	TC633	6	3.3	134	34.5	60	65	0.58	5.27	1.36	2.36	2.56	1.28	F1
13	TC640	6	4	70	47	101	107	0.69	2.75	1.85	3.97	4.21	1.82	F1
14	TC645	6	4.5	70	47	101	107	0.71	2.75	1.85	3.97	4.21	1.57	F1
15	TC660	6	5	70	47	101	107	0.75	2.75	1.85	3.97	4.21	1.66	F1
16	TC655	6	5.5	70	47	101	107	0.78	2.75	1.85	3.97	4.21	1.72	F1
17	TC670	6	7	151	34	94	100	1.05	5.94	1.34	3.70	3.93	2.21	F1F2
18	TC672	6	7.2	151	34	94	100	1.06	5.94	1.34	3.70	3.93	2.34	F1F2
19	TC675	6	7.5	151	34	94	100	1.10	5.94	1.34	3.70	3.93	2.43	F1F2
20	TC680	6	8	151	34	94	100	1.16	5.94	1.34	3.70	3.93	2.56	F1F2
21	TC690	6	9	151	34	94	100	1.30	5.94	1.34	3.70	3.93	2.87	F1F2
22	TC6100	6	10	151	50	84	100	1.55	5.94	1.97	3.70	3.93	3.43	F1F2
23	TC6120	6	12	151	50	94	100	1.66	5.94	1.97	3.70	3.93	3.65	F1F2
24	TC6140	6	14	151	50	94	100	1.95	5.94	1.97	3.70	3.93	4.31	F1F2
25	TC632	6	3.2	134	37	63	68	0.76	5.27	1.46	2.48	2.71	1.68	F1
26	TC1212	12	1.2	97	43	62	58	0.50	3.82	1.69	2.05	2.28	1.11	F1
27	TC1213	12	1.3	97	43	62	58	0.55	3.82	1.69	2.05	2.28	1.24	F1
28	TC1222	12	2.2	178	35	61	67	0.64	7.00	1.36	2.40	2.64	1.56	F1
29	TC1222	12	2.2	70	47	98	103	0.60	2.75	1.85	3.85	4.05	1.77	F1
30	TC1223	12	2.3	178	35	61	67	0.62	7.00	1.38	2.40	2.64	1.63	F1
31	TC1225	12	2.5	122	33	98	103	1.00	5.19	1.30	3.85	4.05	2.21	F1
32	TC1226	12	2.6	70	47	98	103	0.82	2.75	1.85	3.85	4.05	1.81	F1
33	TC1228	12	2.8	132	33	98	103	1.12	5.19	1.30	3.85	4.05	2.48	F1
34	TC1232	12	3.2	135	67	61	67	1.18	5.31	2.64	2.40	2.64	2.61	F1
35	TC1232	12	3.2	135	67	61	67	1.18	5.31	2.64	2.40	2.64	2.61	F1
36	TC1235	12	3.5	135	67	61	67	1.30	5.31	2.64	2.40	2.64	2.87	F1
37	TC1240	12	4	90	70	101	107	1.35	5.34	2.75	3.97	4.21	2.98	F1F2
38	TC1245	12	4.5	90	70	101	107	1.38	5.34	2.75	3.97	4.21	3.05	F1F2
39	TC1250	12	5	90	70	101	107	1.45	5.34	2.75	3.97	4.21	3.20	F1F2
40	TC1255	12	5.5	90	70	101	107	1.50	5.34	2.75	3.97	4.21	3.32	F1F2
41	TC1290	12	9	151	65	94	100	1.80	5.94	2.56	3.70	3.93	3.59	F1F2
42	TC1265	12	6.5	151	65	94	100	1.90	5.94	2.56	3.70	3.93	4.31	F1F2
43	TC1270	12	7	151	65	94	100	2.00	5.94	2.56	3.70	3.93	4.42	F1F2
44	TC1270	12	7	151	65	94	100	2.05	5.94	2.56	3.70	3.93	4.53	F1F2
45	TC1272	12	7.2	151	65	94	100	2.15	5.94	2.56	3.70	3.93	4.75	F1F2
46	TC1275	12	7.5	151	65	94	100	2.18	5.94	2.56	3.70	3.93	4.82	F1F2
47	TC1280	12	8	151	65	94	100	2.20	5.94	2.56	3.70	3.93	4.86	F1F2
48	TC1285	12	8.5	151	65	94	100	2.30	5.94	2.56	3.70	3.93	5.08	F1F2
49	TC1290	12	9	151	65	94	100	2.45	5.94	2.56	3.70	3.93	5.41	F1F2
50	TC12100	12	10	151	88	94	100	3.00	5.94	3.85	3.70	3.93	6.36	F1F2
51	TC12110	12	11	151	96	94	100	3.10	5.94	3.85	3.70	3.93	6.65	F1F2
52	TC12120	12	12	151	98	94	100	3.20	5.94	3.85	3.70	3.93	7.07	F1F2



No.	MODEL	Nominal Voltage (V)	Capacity (Ah/20HR)	Dimension(mm/Kg)(±5%)				Dimension(inch/Pound)(±5%)				Terminal		
				Length	width	Height	Total Height	Length	width	Height	Total Height			
53	TC12120	12	12	151	96	94	100	3.30	5.94	3.85	3.70	3.93	7.29	F1F2
54	TC12140	12	14	151	96	94	100	3.65	5.94	3.85	3.70	3.93	8.07	F1F2
55	TC12160	12	16	181	77	167	167	4.60	7.12	3.03	6.57	6.57	10.19	L1
56	TC12170	12	17	181	77	167	167	4.85	7.12	3.03	6.57	6.57	10.72	L1
57	TC12190	12	18	181	77	167	167	5.15	7.12	3.03	6.57	6.57	11.38	L1
58	TC12200	12	20	181	77	167	167	5.50	7.12	3.03	6.57	6.57	12.16	L1
59	TC12240	12	24	166	175	125	125	6.30	6.53	6.88	4.92	4.92	16.12	L2
60	TC12260	12	26	166	175	125	125	6.60	6.53	6.88	4.92	4.92	17.88	L2
61	TC12280	12	28	166	175	125	125	6.90	6.53	6.88	4.92	4.92	19.69	L2
62	TC12300	12	30	196	130	155	180	9.00	7.71	5.11	6.10	7.68	19.89	L6
63	TC12330	12	33	196	130	155	180	10.20	7.71	5.11	6.10	7.68	22.54	L6
64	TC12350	12	35	196	130	155	180	11.00	7.71	5.11	6.10	7.68	24.31	L6
65	TC12380	12	38	197	165	175	182	11.90	7.75	6.49	6.88	7.16	26.08	L6
66	TC12400	12	40	197	165	175	182	12.00	7.75	6.49	6.88	7.16	26.52	L6
67	TC12420	12	42	197	165	175	182	12.50	7.75	6.49	6.88	7.16	28.29	L6
68	TC12450	12	45	197	165	175	182	13.20	7.75	6.49	6.88	7.16	29.17	L6
69	TC12500	12	50	228	138	209	227	15.00	8.97	5.43	8.22	8.93	33.15	L7
70	TC12500	12	50	228	138	209	214	15.00	8.97	5.43	8.22	8.42	33.15	M6(14)
71	TC12550	12	55	228	138	209	227	16.50	8.97	5.43	8.22	8.93	36.47	L7
72	TC12650	12	65	350	167	175	175	19.00	13.77	6.57	6.88	6.88	41.99	L6
73	TC12700	12	70	260	168	211	230	21.00	10.23	6.65	8.30	9.65	46.41	L6
74	TC12750	12	75	260	168	211	230	21.50	10.23	6.65	8.30	9.65	47.52	L6
75	TC12800	12	80	260	168	211	230	22.00	10.23	6.65	8.30	9.65	48.62	L6
76	TC12900	12	90	308	169	211	230	26.00	12.03	6.65	8.30	9.65	57.46	L6
77	TC121000	12	100	329	171	214	236	28.00	12.94	6.73	8.42	9.39	61.08	L14
78	TC121200	12	120	406	174	208	236	33	15.87	6.84	8.18	9.38	72.93	L11
79	TC121500	12	150	485	172	240	240	41	19.08	6.76	9.44	9.44	90.61	L12
80	TC121600	12	160	530	209	214	244	46	20.84	8.22	8.42	9.60	101.65	L13
81	TC121600	12	160	530	209	214	244	46	20.84	8.22	8.42	9.60	106.08	L13
82	TC122000	12	200	522	240	218	245	59	20.53	9.44	8.57	9.64	130.39	L13
83	TC122300	12	230	522	269	203	208	66	20.53	10.58	7.98	8.18	150.28	M6(120)
84	TC122500	12	250	520	268	220	245	70	20.45	10.54	8.05	9.64	159.12	L13

No.	MODEL	Nominal Voltage (V)	Capacity (Ah/20HR)	Dimension(mm/Kg)(±5%)				Dimension(inch/Pound)(±5%)				Terminal		
				Length	width	Height	Total Height	Length	width	Height	Total Height			
1	TC1270	12	7	151	65	94	100	2.15	5.94	2.56	3.70	3.93	4.75	F1F2
2	TC1280	12	8	151	65	94	100	2.30	5.94	2.56	3.70	3.93	5.08	F1F2
3	TC1290	12	9	151	65	94	100	2.60	5.94	2.56	3.70	3.93	5.78	F1F2
4	TC1210H	12	12	151	86	94	100	3.90	8.94	3.89	3.70	3.93	8.62	F1F2
5	TC1211H	12	13	167	167	167	167	5.10	16.7	5.10	6.57	6.57	16.38	F1F2
6	TC12170A	12	17	181	77	167	167	5.15	7.12	3.03	6.57	6.57	11.18	M5
7	TC12180	12	18	181	77	167	167	5.50	7.12	3.03	6.57	6.57	12.16	L1
8	TC1261MT	12	18	181	77	167	167	5.50	7.12	3.03	6.57	6.57	12.16	M1
9	TC1220	12	20	181	77	167	167	6.00	7.12	3.03	6.57	6.57	12.38	M2
10	TC12000A	12	20	181	77	167	167	6.00	7.12	3.03	6.57	6.57	12.38	M2
11	TC12240	12	24	166	175	125	125	8.00	6.33	6.88	4.92	4.92	17.68	L2
12	TC12240M	12	24	166	175	125	125	8.00	6.33	6.88	4.92	4.92	17.68	M5
13	TC12280	12	28	166	175	125	125	9.00	6.33	6.88	4.92	4.92	19.88	M5
14	TC12280M	12	28	166	175	125	125	9.00	6.33	6.88	4.92	4.92	19.88	M5