

Industrial Batteries – Network Power
J-Series JTT
High power for strong demand.

Specifications

If cost efficiency and high performance are requested.

Specifications

- Especially built to be an ideal choice, the J-Series JTT is cost – effective for UPS and power supplies for safety systems
- Perfect combination between energy storage and high current performance
- Maintenance –free (no topping up) during the whole service life
- Nominal capacity 24 to 215Ah (C10)
- Power discharge 624 to 4800W (P15 min) per 12V unit
- Case material UL94- HB
- Grid plate construction
- Very low gassing due to internal gas recombination (99% efficient)
- Low self – discharge rate (about 3% / month at 20°C)
- Trouble – free transportation of operation blocks, no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67)
- Completely recyclable









More power for network power.

Applications

The J-Series JTT is a cost - effective and reliable power back up source in various industries such as telecom, data centres, banking and finance, etc.



| | | |
|---|---|---|
|  |  |  |
| Valve regulated lead acid batteries | Grid plate | Nominal capacity 24-215 Ah |
|  |  |  |
| Block battery | Maintenance-free (no topping up) | Recyclable |

Technical characteristics and data

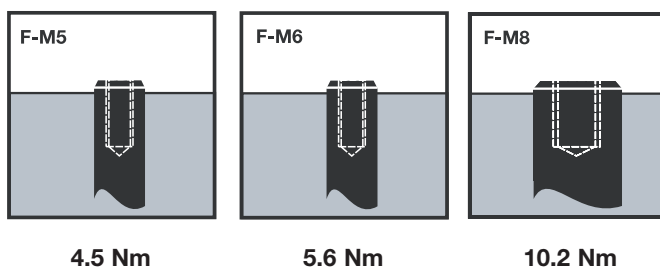
| Type | Nominal voltage V | Capacity | | Length (l) max. mm | Width (b/w) max. mm | Height container* (h) max. mm | Weight approx. kg | Max. discharge current f. 5 sec. A | Terminal |
|------------|----------------------|------------------------------|-----------------------------------|-----------------------------|------------------------------|---|-------------------------|--|----------|
| | | C10 1.80V/C 25°C Ah | P15 1.60V/C 25°C W/block | | | | | | |
| JTT12V620 | 12 | 24.3 | 624 | 176.5 | 167.5 | 126.5 | 9.40 | 390 | F-M5 |
| JTT12V790 | 12 | 30.9 | 792 | 196.5 | 130.5 | 169.0 | 11.3 | 495 | F-M6 |
| JTT12V960 | 12 | 37.4 | 960 | 198.5 | 166.5 | 172.5 | 14.3 | 600 | F-M6 |
| JTT12V1560 | 12 | 60.8 | 1560 | 352.0 | 168.0 | 176.0 | 24.5 | 650 | F-M6 |
| JTT12V2110 | 12 | 84.2 | 2110 | 329.0 | 172.0 | 238.0 | 30.5 | 900 | F-M6 |
| JTT12V2320 | 12 | 92.60 | 2321 | 329.0 | 172.0 | 238.0 | 33.5 | 900 | F-M6 |
| JTT12V2640 | 12 | 112 | 2640 | 409.0 | 175.0 | 241.0 | 39.5 | 1200 | F-M6 |
| JTT12V3300 | 12 | 150 | 3300 | 485.0 | 173.0 | 242.0 | 51.2 | 1600 | F-M8 |
| JTT12V4800 | 12 | 215 | 4800 | 524.0 | 242.0 | 221.5 | 66.2 | 2300 | F-M8 |

* installed height depends on connector and screw

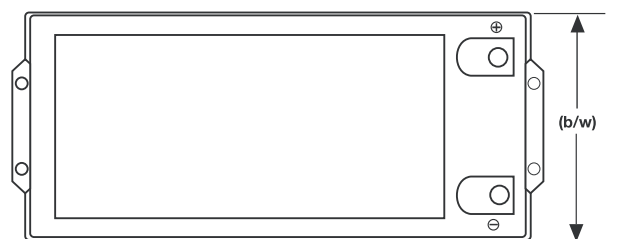
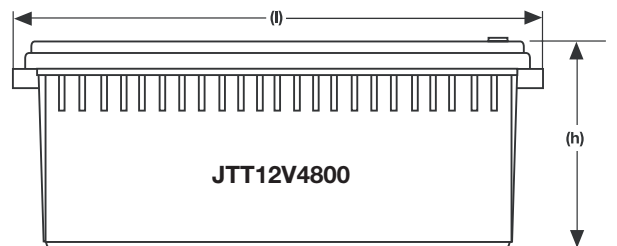
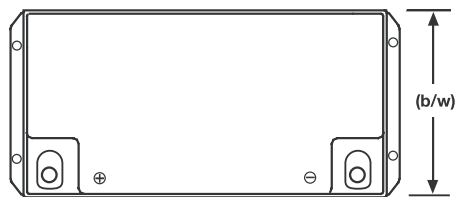
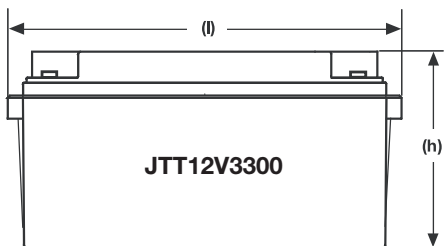
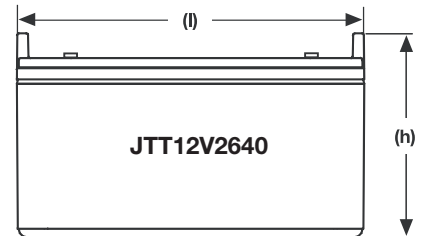
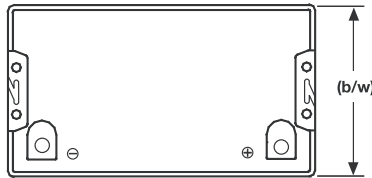
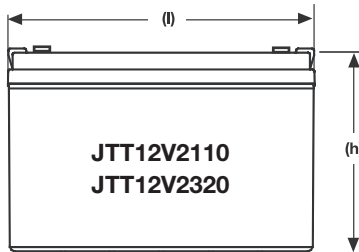
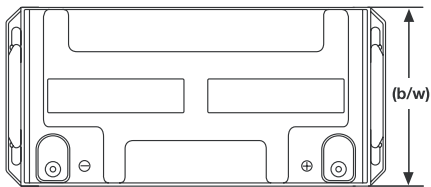
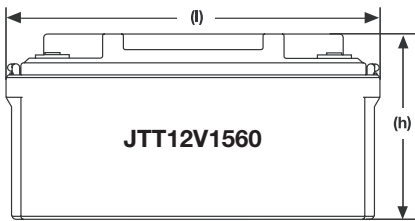
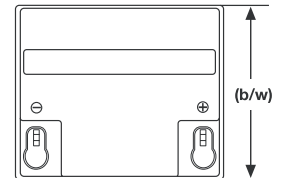
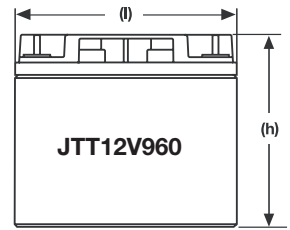
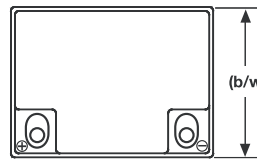
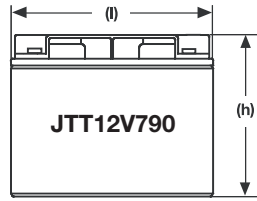
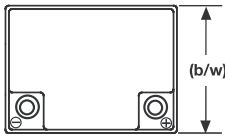
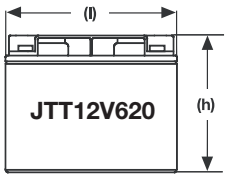
Container, terminal and torque

Container: UL 94 - HB

UL 94-VO is available upon request.

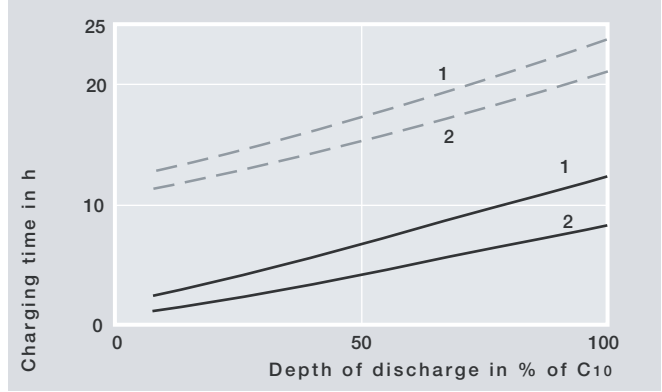
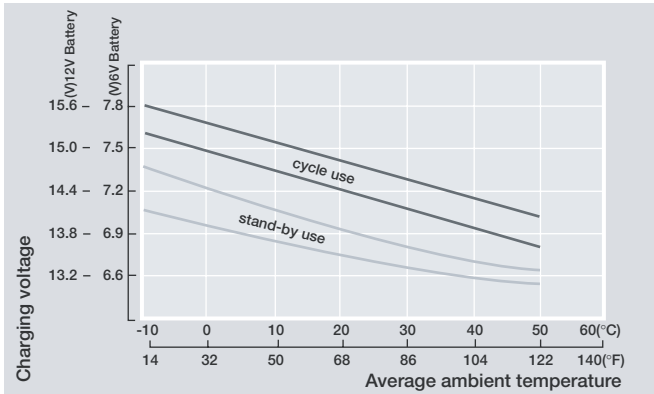


Dimensions



Not to scale!

Technical data at a glance



--- max. permissible voltage for continuous charging

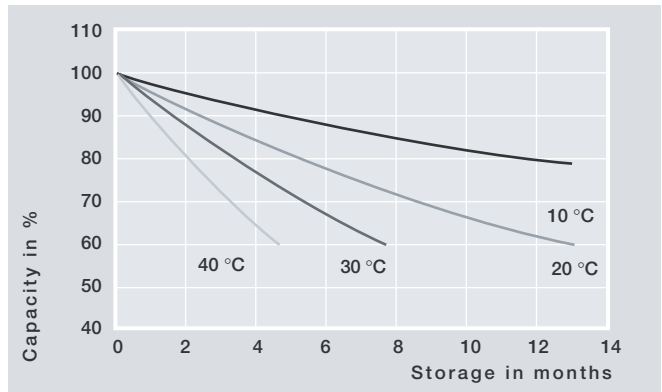
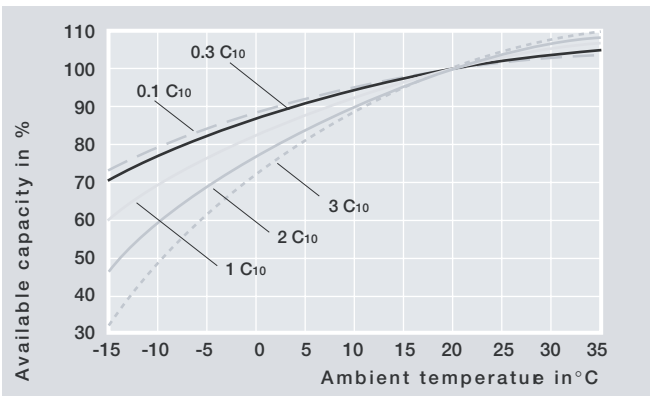
1: 0.1 C₁₀
2: 0.2 C₁₀

— optimum voltage for continuous charging

--- State of charge 100%
— State of charge 90%

For continuous charging we recommend a voltage of 2.27 V/cell at 25°C. The charging voltage must be compensated to the curve for a continuously different battery ambient temperature.

Recharging time in relation to initial charging current. For 2.27 V/cell at 25°C.



Available capacity in relation to the ambient temperature.

Self-discharge in relation to the storage temperature.

Constant power discharge

| 1.80 V/C – Discharge in W/block at 25°C | | | | | | | | | |
|--|-----------------|------|-------|-------|-------|------|-----|-------|-------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h |
| JTT12V620 | NAJT120620HJOFA | 940 | 692 | 554 | 329 | 189 | 76 | 52.2 | 29.2 |
| JTT12V790 | NAJT120790HJOFA | 1190 | 878 | 703 | 418 | 240 | 96 | 66.3 | 37.0 |
| JTT12V960 | NAJT120960HJOFA | 1440 | 1060 | 853 | 507 | 291 | 116 | 80.3 | 44.9 |
| JTT12V1560 | NAJT121560HJOFA | 2350 | 1730 | 1380 | 824 | 473 | 189 | 130.6 | 73.0 |
| JTT12V2110 | NAJT122110HJOFA | 2820 | 2299 | 1876 | 1141 | 655 | 262 | 180.9 | 101.1 |
| JTT12V2320 | NAJT122320HJOFA | 3100 | 2527 | 2062 | 1254 | 720 | 288 | 198.8 | 111.1 |
| JTT12V2640 | NAJT122640HJOFA | 3680 | 2820 | 2340 | 1520 | 873 | 349 | 241.2 | 134.7 |
| JTT12V3300 | NAJT123300HJOFA | 4527 | 3526 | 2933 | 2030 | 1164 | 466 | 321.6 | 179.7 |
| JTT12V4800 | NAJT124800HJOFA | 6146 | 5149 | 4282 | 2917 | 1674 | 670 | 462.3 | 258.3 |

| 1.75 V/C – Discharge in W/block at 25°C | | | | | | | | | |
|--|-----------------|------|-------|-------|-------|------|------|-------|-------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h |
| JTT12V620 | NAJT120620HJOFA | 1080 | 749 | 580 | 342 | 194 | 77 | 53.0 | 29.6 |
| JTT12V790 | NAJT120790HJOFA | 1380 | 951 | 736 | 434 | 247 | 98.1 | 67.3 | 37.6 |
| JTT12V960 | NAJT120960HJOFA | 1670 | 1150 | 892 | 526 | 299 | 118 | 81.5 | 45.5 |
| JTT12V1560 | NAJT121560HJOFA | 2720 | 1870 | 1450 | 856 | 487 | 193 | 132.6 | 74.0 |
| JTT12V2110 | NAJT122110HJOFA | 3170 | 2490 | 1963 | 1185 | 674 | 267 | 183.6 | 102.6 |
| JTT12V2320 | NAJT122320HJOFA | 3587 | 2737 | 2158 | 1302 | 741 | 294 | 201.8 | 112.8 |
| JTT12V2640 | NAJT122640HJOFA | 4260 | 3050 | 2450 | 1580 | 899 | 356 | 244.8 | 136.8 |
| JTT12V3300 | NAJT123300HJOFA | 5247 | 3820 | 3068 | 2107 | 1199 | 476 | 326.4 | 182.4 |
| JTT12V4800 | NAJT124800HJOFA | 7113 | 5578 | 4480 | 3029 | 1724 | 683 | 469.2 | 262.2 |

| 1.70 V/C – Discharge in W/block at 25°C | | | | | | | | | |
|--|-----------------|------|-------|-------|-------|------|-----|-------|-------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h |
| JTT12V620 | NAJT120620HJOFA | 1150 | 776 | 598 | 350 | 198 | 78 | 53.3 | 29.7 |
| JTT12V790 | NAJT120790HJOFA | 1460 | 985 | 759 | 444 | 251 | 99 | 67.6 | 37.8 |
| JTT12V960 | NAJT120960HJOFA | 1770 | 1190 | 920 | 538 | 305 | 119 | 82.0 | 45.8 |
| JTT12V1560 | NAJT121560HJOFA | 2890 | 1940 | 1490 | 875 | 496 | 194 | 133.3 | 74.4 |
| JTT12V2110 | NAJT122110HJOFA | 3468 | 2580 | 2024 | 1212 | 686 | 270 | 184.6 | 103.1 |
| JTT12V2320 | NAJT122320HJOFA | 3811 | 2836 | 2224 | 1332 | 754 | 297 | 202.9 | 113.3 |
| JTT12V2640 | NAJT122640HJOFA | 4530 | 3160 | 2530 | 1610 | 915 | 359 | 246.2 | 137.5 |
| JTT12V3300 | NAJT123300HJOFA | 5574 | 3958 | 3162 | 2155 | 1221 | 480 | 328.2 | 183.3 |
| JTT12V4800 | NAJT124800HJOFA | 7557 | 5779 | 4618 | 3098 | 1755 | 690 | 471.8 | 263.5 |

| 1.65 V/C – Discharge in W/block at 25°C | | | | | | | | | |
|--|-----------------|------|-------|-------|-------|------|-----|-------|-------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h |
| JTT12V620 | NAJT120620HJOFA | 1200 | 795 | 611 | 355 | 200 | 78 | 53.5 | 29.8 |
| JTT12V790 | NAJT120790HJOFA | 1530 | 1000 | 776 | 450 | 254 | 100 | 67.9 | 37.9 |
| JTT12V960 | NAJT120960HJOFA | 1850 | 1220 | 941 | 546 | 308 | 120 | 82.3 | 45.9 |
| JTT12V1560 | NAJT121560HJOFA | 3010 | 1980 | 1520 | 888 | 501 | 196 | 133.8 | 74.6 |
| JTT12V2110 | NAJT122110HJOFA | 3624 | 2642 | 2070 | 1229 | 695 | 271 | 185.3 | 103.4 |
| JTT12V2320 | NAJT122320HJOFA | 3983 | 2904 | 2275 | 1350 | 763 | 298 | 203.6 | 113.6 |
| JTT12V2640 | NAJT122640HJOFA | 4730 | 3240 | 2580 | 1630 | 926 | 362 | 247 | 137.8 |
| JTT12V3300 | NAJT123300HJOFA | 5825 | 4052 | 3253 | 2185 | 1235 | 483 | 329.4 | 183.8 |
| JTT12V4800 | NAJT124800HJOFA | 7897 | 5918 | 4724 | 3141 | 1776 | 694 | 473.5 | 264.2 |

| 1.60 V/C – Discharge in W/block at 25°C | | | | | | | | | |
|--|-----------------|------|-------|-------|-------|------|------|-------|-------|
| Type | Part number | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h |
| JTT12V620 | NAJT120620HJOFA | 1240 | 811 | 624 | 358 | 202 | 79.0 | 53.6 | 29.8 |
| JTT12V790 | NAJT120790HJOFA | 1580 | 1020 | 792 | 455 | 257 | 100 | 68.1 | 37.9 |
| JTT12V960 | NAJT120960HJOFA | 1920 | 1240 | 960 | 552 | 312 | 121 | 82.5 | 45.9 |
| JTT12V1560 | NAJT121560HJOFA | 3120 | 2020 | 1560 | 897 | 507 | 197 | 134.2 | 74.6 |
| JTT12V2110 | NAJT122110HJOFA | 3744 | 2695 | 2112 | 1242 | 702 | 273 | 185.8 | 103.4 |
| JTT12V2320 | NAJT122320HJOFA | 4115 | 2962 | 2321 | 1365 | 771 | 300 | 204.2 | 113.6 |
| JTT12V2640 | NAJT122640HJOFA | 4890 | 3300 | 2640 | 1650 | 936 | 364 | 247.7 | 137.8 |
| JTT12V3300 | NAJT123300HJOFA | 6019 | 4134 | 3300 | 2208 | 1248 | 486 | 330.3 | 183.8 |
| JTT12V4800 | NAJT124800HJOFA | 8160 | 6037 | 4819 | 3174 | 1794 | 698 | 474.8 | 264.2 |