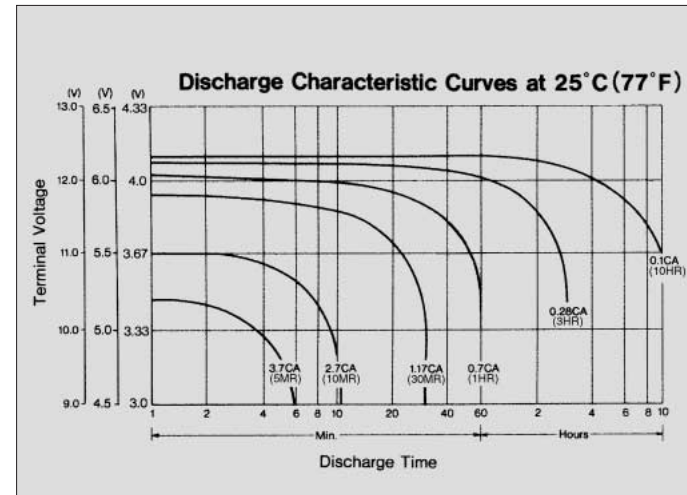


General Characteristics

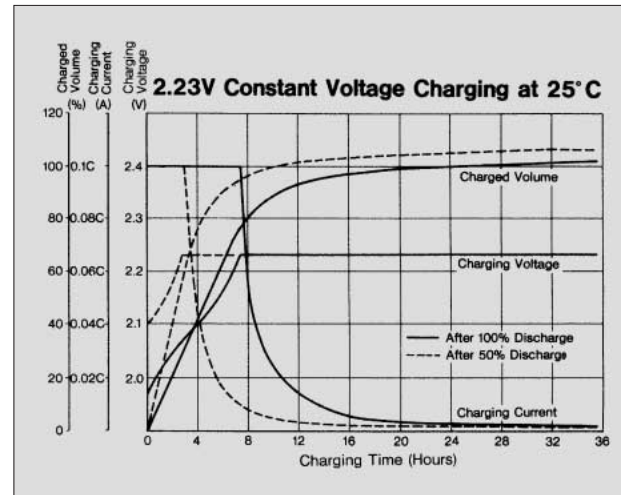
DISCHARGING

FOR UXL33-12~UXL110-6 BATTERIES



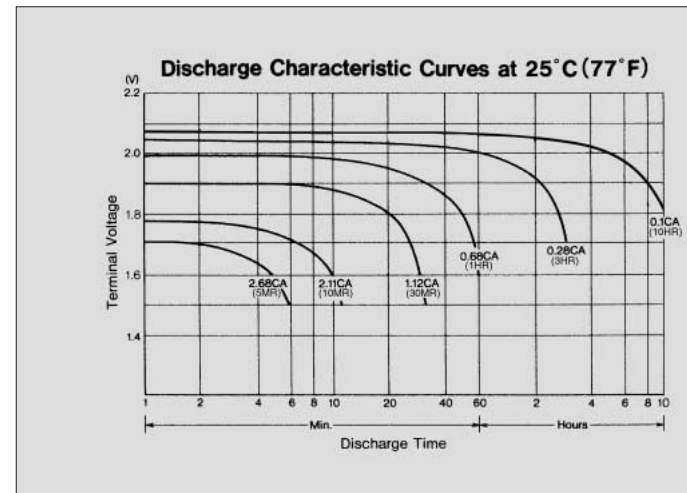
CHARGING

FOR ALL MODELS

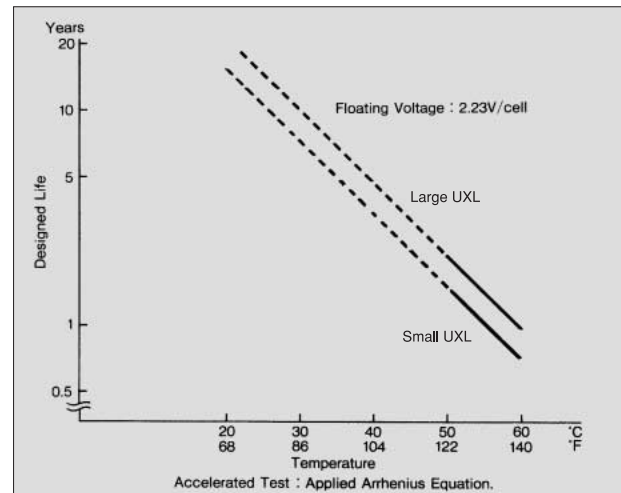


DISCHARGING

FOR UXL165-2~UX3300-2 BATTERIES



ACCELERATED LIFE CHARACTERISTICS



Peripheral Device

A life diagnosis device for valve regulated lead-acid batteries, "JUST FEEL".
The battery monitor, JUST FEEL, diagnoses life of valve regulated lead-acid batteries.
Battery life can be diagnosed without disconnecting a power supply as a result of measuring battery internal impedance during floating charge.

- Diagnoses battery life during floating charge.
- A compact, portable device.
- Can be used for a large variety of valve regulated lead-acid batteries.
- Mounted with comparator function.
- May be used for UPS batteries. (Some models may prohibit the use of this device. If you intend to use the device for UPS, please contact us for consultation.)



● Specifications subject to change without prior notice

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"Yuasa" Brand Maintenance-Free
Valve Regulated Lead-Acid
Stationary Batteries

UXL SERIES



UXL SERIES

Most reliable with longer life

Since 1984, the UXL Series battery has established reputation as a very reliable power source.

Yuasa is satisfied with this fact but, now, Yuasa has developed the New and Refined UXL Series which is the culmination of the Yuasa's 80 years ceaseless innovation.

The New and Refined UXL Series Batteries are made to meet the growing request for longer life and higher reliability with minimized maintenance.

Designed Life

UXL (Under 100Ah) ----- Over 10 years

UXL (Over 150Ah) ----- Over 15 years

Features

- No free Acid (Non-spillable Battery)
- Flame retardant version available.(UXL 165-2 and up) (UL 94VO grade)
- Maintenance free(no water topping-up required)
- Valve regulated
- No gas emission under normal floating operation
- Fitted with explosion proof filter
- No equalizing charge required
- Excellent high rate discharge performance
- Low self-discharge
- Easy handling
- Compact in size
- UXL series conform to UN2800 special Provision A67 in IATA Dangerous Goods Regulation and NOT to subject to IATA Dangerous Goods Regulations.

Applications

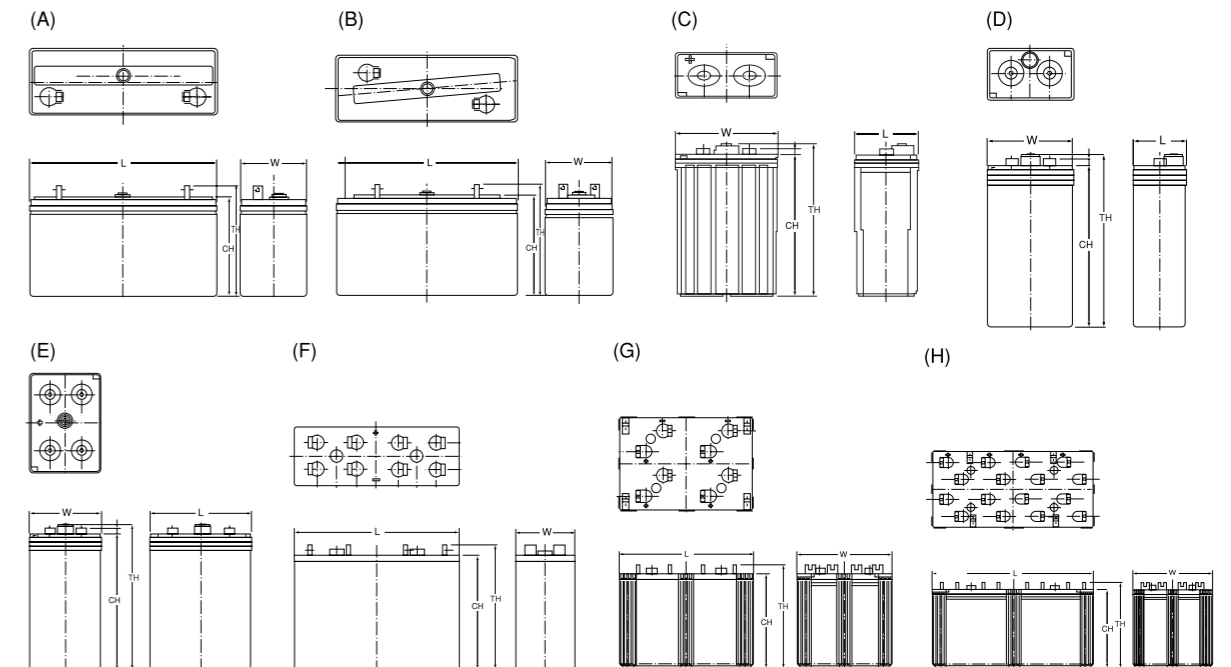
- Telecommunications
- UPS
- Alarm systems
- Fire & security systems
- Emergency lighting
- Engine starting
- Solar powered systems
- Utilities

General Specifications

| Battery Model | FR Model*1 | Nominal Voltage(V) | Capacity(Ah) | | Dimensions(mm) | | | | Approx Weight(kgs) | Figure |
|---------------|-------------|--------------------|----------------|------------------|----------------|--------|-------|--------|--------------------|--------|
| | | | 10HR (NOMINAL) | 1HR FV=1.6V/cell | Overall Height | Height | Width | Length | | |
| UXL33-12 | | 12 | 30 | 19.5 | 217 | 190 | 128 | 235 | 14.5 | C |
| UXL44-12 | | 12 | 40 | 26 | 217 | 190 | 128 | 299 | 18 | C |
| UXL55-12 | | 12 | 50 | 32.5 | 217 | 190 | 128 | 363 | 23 | A |
| UXL66-6 | | 6 | 60 | 39 | 217 | 190 | 128 | 217 | 14 | C |
| UXL88-6 | | 6 | 80 | 52 | 217 | 190 | 128 | 281 | 17.5 | C |
| UXL110-6 | | 6 | 100 | 65 | 217 | 190 | 128 | 345 | 22.5 | B |
| UXL165-2 | UXL165-2FR | 2 | 150 | 97.5 | 354 | 330 | 170 | 106 | 12.5 | C |
| UXL220-2 | UXL220-2FR | 2 | 200 | 130 | 354 | 330 | 170 | 106 | 15 | D |
| UXL330-2 | UXL330-2FR | 2 | 300 | 195 | 354 | 330 | 170 | 150 | 21.5 | D |
| UXL550-2 | UXL550-2FR | 2 | 500 | 325 | 354 | 330 | 171 | 241 | 35.5 | E |
| UXL1100-2 | UXL1100-2FR | 2 | 1000 | 650 | 362 | 330 | 171 | 471 | 70 | F |
| UXL1550-2 | UXL1550-2FR | 2 | 1500 | 975 | 372 | 340 | 337 | 476 | 108 | G |
| UXL2200-2 | UXL2200-2FR | 2 | 2000 | 1300 | 372 | 340 | 337 | 476 | 140 | G |
| UXL3300-2 | UXL3300-2FR | 2 | 3000 | 1950 | 372 | 340 | 340 | 696 | 212 | H |

*1 FR:UL 94VO, flame retardant case and cover.

*2 Final voltage:1.80V/cell, Temperature:25°C(77°F)



Constant Current Discharge Performance(Amps.)

Temperature : 25°C (77°F)

Amperes to F.V.1.80 Volts Per Cell

| Battery Model | Time | | | | | | | | | | | | | | | | | |
|----------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|
| | 1 min | 5 min | 10 min | 15 min | 20 min | 25 min | 30 min | 35 min | 40 min | 45 min | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h | 12 h | 24 h |
| UXL33-12 | 93.8 | 81.1 | 61.2 | 50.0 | 42.9 | 37.5 | 33.0 | 30.0 | 27.3 | 24.6 | 20.0 | 11.5 | 8.1 | 5.4 | 3.6 | 3.0 | 2.6 | 1.4 |
| UXL44-12 | 125 | 108 | 81.6 | 66.7 | 57.1 | 50.0 | 44.0 | 40.0 | 36.4 | 32.8 | 26.7 | 15.4 | 10.8 | 7.1 | 4.8 | 4.0 | 3.4 | 1.8 |
| UXL55-12 | 156 | 135 | 102 | 83.3 | 71.4 | 62.5 | 54.9 | 50.0 | 45.5 | 41.0 | 33.3 | 19.2 | 13.5 | 8.9 | 6.0 | 5.0 | 4.3 | 2.3 |
| UXL66-6 | 188 | 162 | 122 | 100 | 85.7 | 75.0 | 65.9 | 60.0 | 54.5 | 49.2 | 40.0 | 23.1 | 16.2 | 10.7 | 7.2 | 6.0 | 5.2 | 2.8 |
| UXL88-6 | 250 | 216 | 163 | 133 | 114 | 100 | 87.9 | 80.0 | 72.7 | 65.6 | 53.3 | 30.8 | 21.6 | 14.3 | 9.6 | 8.0 | 6.9 | 3.7 |
| UXL110-6 UXL110-4 | 313 | 270 | 204 | 167 | 143 | 125 | 110 | 100 | 90.9 | 82.0 | 66.7 | 38.5 | 27.0 | 17.9 | 12.0 | 10.0 | 8.6 | 4.6 |
| UXL165-2 | 300 | 268 | 227 | 195 | 172 | 155 | 142 | 128 | 118 | 111 | 90.9 | 54.5 | 40.5 | 26.8 | 18.2 | 15.0 | 12.6 | 6.9 |
| UXL220-2 | 400 | 357 | 303 | 260 | 230 | 206 | 189 | 171 | 157 | 148 | 121 | 72.7 | 54.1 | 35.7 | 24.2 | 20.0 | 16.8 | 9.2 |
| UXL330-2 | 600 | 536 | 455 | 390 | 345 | 309 | 283 | 256 | 236 | 222 | 182 | 109 | 81.1 | 53.6 | 36.3 | 30.0 | 25.2 | 13.8 |
| UXL550-2 | 1000 | 893 | 758 | 649 | 575 | 515 | 472 | 427 | 394 | 370 | 303 | 182 | 135 | 89.3 | 60.5 | 50.0 | 42.0 | 22.9 |
| UXL1100-2 | 2000 | 1786 | 1515 | 1299 | 1149 | 1031 | 943 | 855 | 787 | 741 | 606 | 364 | 270 | 179 | 121 | 100 | 84.0 | 45.8 |
| UXL1550-2 | 3000 | 2679 | 2273 | 1948 | 1724 | 1546 | 1415 | 1282 | 1181 | 1111 | 909 | 545 | 405 | 268 | 182 | 150 | 126 | 68.8 |
| UXL2200-2 | 4000 | 3571 | 3030 | 2597 | 2299 | 2062 | 1887 | 1709 | 1575 | 1481 | 1212 | 727 | 541 | 357 | 242 | 200 | 168 | 91.7 |
| UXL3300-2 | 6000 | 5357 | 4545 | 3896 | 3448 | 3093 | 2830 | 2564 | 2362 | 2222 | 1818 | 1091 | 811 | 536 | 363 | 300 | 252 | 138 |

*Battery shall supply over 95% of this figure within 5 cycles of charge/discharge, or in one year of float operation. More detailed data shall be available upon your request.