



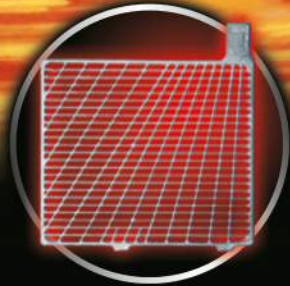
Volcano

MAINTENANCE FREE | calcium



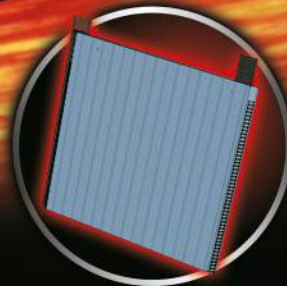
DUPLEX LID COVER

The Dual Layer cover with improved labyrinth circulation system and integrated flame arrester to compress water loss to the lowest level.



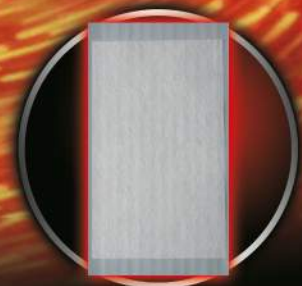
FULL FRAME CALCIUM-LEAD RADIAL GRID

- Calcium / Calcium Alloy grid performs solid and flexible structure leads to supreme durability.
- Full frame radial design built for optimal current flow and faster charge acceptance and minimizing puncture side effect.



ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE SEPARATOR

- High puncture resistance.
- Induced oxidation stability to meet the range of ambient temperature and durability in HOT temperature usage.
- Very low electrical resistance.
- Significant Cold Cranking Amps enhancement.



GLASS MAT SEPARATOR

High resistance against vibration, leading to a heavy duty battery usage.



*Averred by Time



Certified Company
Cert No.: 16 100 0809



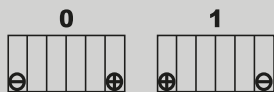
JIS SPECIFICATION

| Group Size | New JIS Type | Old JIS Type | Voltage (V) | Capacity 5 Hr (Ah) | Capacity 20 Hr (Ah) | CCA (-18°C) | RC Minute | Dimension (mm) | | | | Cell Layout | Terminal |
|------------|----------------|------------------|-------------|--------------------|---------------------|-------------|-----------|----------------|-----|-----|-----|-------------|----------|
| | | | | | | | | L | W | H | TH | | |
| B19/B20 | 32B20R/L | NS40/L | 12 | 26 | 32 | 230 | 45 | 197 | 129 | 202 | 227 | 1/0 | B |
| | 38B20R/L | NT60-S4/L | 12 | 28 | 35 | 332 | 52 | 197 | 129 | 202 | 227 | 1/0 | B |
| | 38B20R(S)/L(S) | NT60-S4(S)/L(S) | 12 | 28 | 35 | 332 | 52 | 197 | 129 | 202 | 227 | 1/0 | A |
| B24 | 55B24R/L | NX100-S6/L | 12 | 36 | 45 | 433 | 79 | 238 | 129 | 202 | 227 | 1/0 | B |
| | 55B24R(S)/L(S) | NX100-S6(S)/L(S) | 12 | 36 | 45 | 433 | 79 | 238 | 129 | 202 | 227 | 1/0 | A |
| | 65B24R/L | - | 12 | 44 | 55 | 470 | 89 | 238 | 129 | 202 | 227 | 1/0 | A |
| D23 | 55D23R/L | - | 12 | 48 | 60 | 356 | 99 | 232 | 173 | 202 | 225 | 1/0 | A |
| | 75D23R/L | - | 12 | 52 | 65 | 520 | 118 | 232 | 173 | 202 | 225 | 1/0 | A |
| | 85D23R/L | - | 12 | 56 | 70 | 620 | 125 | 232 | 173 | 202 | 225 | 1/0 | A |
| D26 | 48D26R/L | N50/L | 12 | 40 | 50 | 278 | 81 | 260 | 173 | 202 | 225 | 1/0 | A |
| | 55D26R/L | N50Z/L | 12 | 48 | 60 | 348 | 101 | 260 | 173 | 202 | 225 | 1/0 | A |
| | 65D26R/L | NS70/L | 12 | 52 | 65 | 413 | 113 | 260 | 173 | 202 | 225 | 1/0 | A |
| | 80D26R/L | NX110-5/L | 12 | 55 | 70 | 582 | 133 | 260 | 173 | 202 | 225 | 1/0 | A |
| | 90D26R/L | - | 12 | 60 | 75 | 650 | 136 | 260 | 173 | 202 | 225 | 1/0 | A |
| D31 | 65D31R/L | N70/L | 12 | 56 | 70 | 389 | 126 | 305 | 173 | 202 | 225 | 1/0 | A |
| | 75D31R/L | N70Z/L | 12 | 60 | 75 | 447 | 137 | 305 | 173 | 202 | 225 | 1/0 | A |
| | 95D31R/L | NX120-7/L | 12 | 64 | 80 | 622 | 159 | 305 | 173 | 202 | 225 | 1/0 | A |
| | 115D31R/L | - | 12 | 72 | 90 | 730 | 159 | 305 | 173 | 202 | 225 | 1/0 | A |

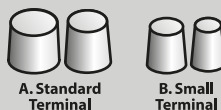
DIN SPECIFICATION

| Group Size | DIN Type | ETN Type | Voltage (V) | Capacity 20 Hr (Ah) | CCA (-18°C) | | RC Minute | Dimension (mm) | | | | Cell Layout | Base Hold Down | Terminal |
|------------|----------|-------------|-------------|---------------------|-------------|-----|-----------|----------------|-----|-----|-----|-------------|----------------|----------|
| | | | | | DIN | EN | | L | W | H | TH | | | |
| L2 | 55559 | 555 059 042 | 12 | 55 | 255 | 420 | 90 | 242 | 175 | 190 | 190 | 0 | B3 | A |
| | 56048 | 560 048 045 | 12 | 60 | 270 | 450 | 100 | 242 | 175 | 190 | 190 | 0 | B3 | A |
| L3 | 56638 | 566 038 051 | 12 | 66 | 300 | 510 | 113 | 278 | 175 | 190 | 190 | 0 | B3 | A |
| | 58024 | 580 024 064 | 12 | 80 | 380 | 640 | 130 | 278 | 175 | 190 | 190 | 0 | B3 | A |
| L5 | 58827 | 588 027 064 | 12 | 88 | 395 | 640 | 155 | 354 | 175 | 190 | 190 | 0 | B3 | A |
| | 60038 | 600 038 072 | 12 | 100 | 450 | 720 | 180 | 354 | 175 | 190 | 190 | 0 | B3 | A |

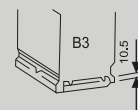
LAYOUT
12 VOLTS



TERMINAL
DESIGN



BASE HOLD
DOWN



REMARKS

- Most batteries are well-equipped with handle.
- The dimension mentioned corresponds to JIS and DIN standards. The products' dimension are in tolerated dimension under JIS and DIN standards.

GLOSSARY

CV : Central Vent
AH : Amp-hour

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