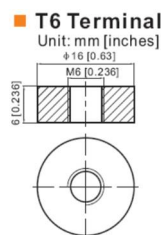
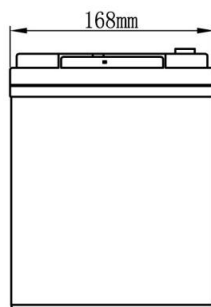
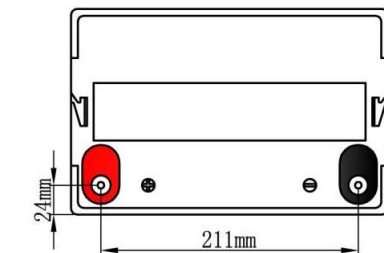
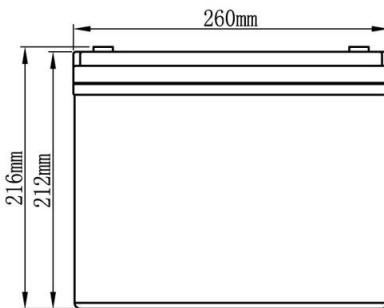


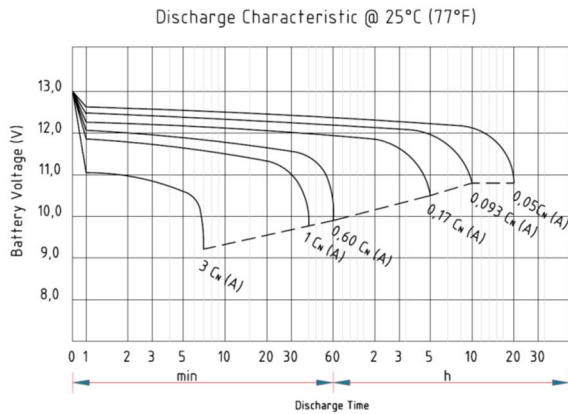
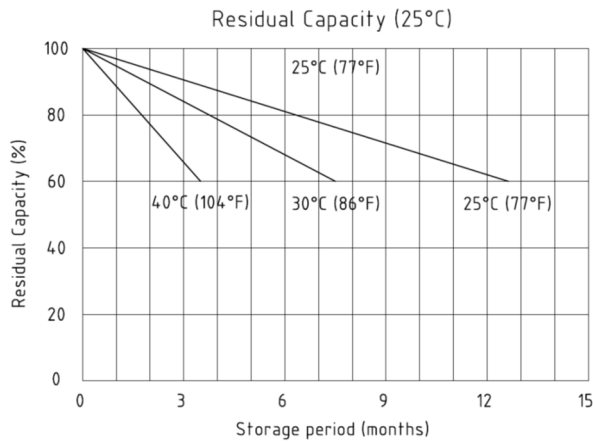

DATASHEET
SLC 80-12
12V 80AH
AGM SEALED VRLA BATTERY
LONG LIFE 10-12 YEARS OF EXPECTED LIFETIME
(EUROBAT)
SPECIFICATIONS

| | | |
|------------------------|------------------------------|---------------------------------|
| Nominal Voltage | 12V | |
| Nominal Capacity | 80Ah | |
| Terminal | T11 (M6) | |
| Approx. Weight | Approx 22,6 kg (49,8 lbs) | |
| Container Material | ABS | |
| Dimensions | Length | 260±2 mm (10,23 inches) |
| | Width | 168±2 mm (6,61 inches) |
| | Container Height | 212±2 mm (8,34 inches) |
| | Total Height (with terminal) | 216±2 mm (8,50 inches) |
| Rated Capacity | 83,2 Ah / 4,16A | (20 hr, 1,80 V/cell, 25°C/77°F) |
| | 80 Ah / 8A | (10 hr, 1,80 V/cell, 25°C/77°F) |
| | 69 Ah / 13,8A | (5 hr, 1,75 V/cell, 25°C/77°F) |
| | 62,4 Ah / 20,8A | (3 hr, 1,75 V/cell, 25°C/77°F) |
| | 48,8 Ah / 48,8A | (1 hr, 1,60 V/cell, 25°C/77°F) |
| Max. Discharge Current | 960,0 A (5 s) | |
| Internal Resistance | Approx 6 mΩ | |

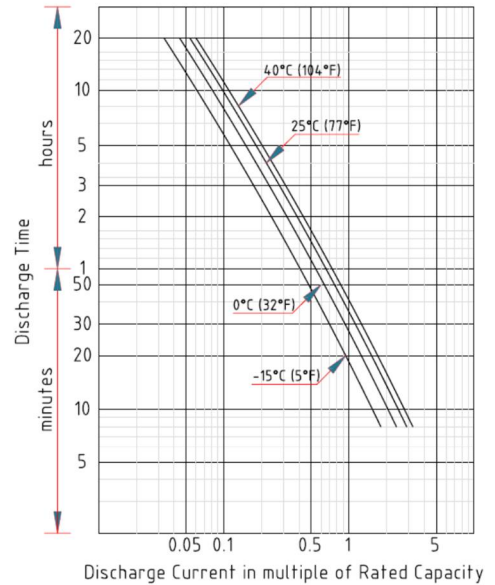
| | | |
|-----------------------|-----------|------------------------|
| Operating Temperature | Discharge | -15 ÷ 50°C (5 ÷ 122°F) |
| | Charge | 0 ÷ 40°C (32 ÷ 104°F) |
| | Storage | -15 ÷ 40°C (5 ÷ 104°F) |

| | | |
|----------------------------------|---|---|
| Nominal Operating Temp. Range | 25±3°C (77±5°F) | |
| Cycle Use | Initial Charging Current less than 16 A Voltage | 14,4 ÷ 15,0V at 25°C (77°F) Temperature Coefficient -30mV/°C |
| | Standby Use | No limit on Initial Charging Current Voltage 13,5 ÷ 13,8 V at 25°C (77°F) Temperature Coefficient -20mV/°C |
| Capacity affected by Temperature | 40°C (104°F) | 103% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 86% |
| Self discharge | Enerpower SLC series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter. | |

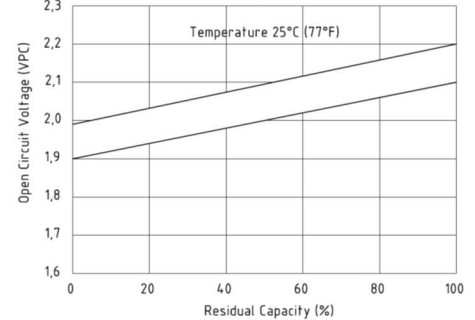




Duration of Discharge vs. Discharge Current



Relationship for Open Circuit Voltage & Residual Capacity (25°C)



Constant Current Discharge (Amperes) at 25°C (77°F)

| F.V / Time | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
|--------------|--------|--------|--------|--------|--------|------|------|------|------|------|------|------|------|------|
| 1,85V / cell | 107,6 | 91,5 | 76,6 | 60,9 | 46,1 | 37,7 | 24,0 | 19,0 | 15,5 | 12,5 | 10,9 | 8,84 | 7,55 | 4,12 |
| 1,80V / cell | 137,5 | 110,6 | 90,5 | 71,8 | 53,6 | 42,2 | 26,2 | 20,4 | 16,6 | 13,4 | 11,7 | 9,38 | 8,00 | 4,16 |
| 1,75V / cell | 151,1 | 120,8 | 97,4 | 74,6 | 55,6 | 44,2 | 27,2 | 20,8 | 16,9 | 13,8 | 12,0 | 9,54 | 8,08 | 4,20 |
| 1,70V / cell | 164,7 | 129,0 | 102,3 | 77,6 | 57,8 | 45,6 | 28,3 | 21,4 | 17,4 | 14,1 | 12,2 | 9,67 | 8,16 | 4,28 |
| 1,67V / cell | 171,3 | 133,1 | 105,5 | 79,8 | 58,6 | 46,4 | 28,7 | 21,9 | 17,7 | 14,3 | 12,4 | 9,75 | 8,25 | 4,31 |
| 1,65V / cell | 177,8 | 137,2 | 108,7 | 81,9 | 59,3 | 47,1 | 29,1 | 22,3 | 18,0 | 14,5 | 12,5 | 9,82 | 8,33 | 4,34 |
| 1,60V / cell | 193,0 | 146,7 | 115,8 | 86,4 | 61,8 | 48,8 | 30,0 | 23,0 | 18,5 | 15,0 | 12,8 | 9,92 | 8,42 | 4,36 |

Constant Power Discharge (Watts) at 25°C (77°F)

| F.V / Time | 10 min | 15 min | 20 min | 30 min | 45 min | 1 h | 2 h | 3 h | 4 h | 5 h | 6 h | 8 h | 10 h | 20 h |
|--------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1,85V / cell | 214,11 | 182,76 | 153,46 | 122,61 | 92,84 | 75,79 | 47,96 | 37,67 | 30,66 | 24,70 | 21,51 | 17,44 | 14,92 | 8,16 |
| 1,80V / cell | 275,33 | 221,31 | 181,43 | 144,25 | 108,38 | 85,40 | 52,42 | 40,59 | 32,75 | 26,51 | 23,08 | 18,58 | 15,85 | 8,23 |
| 1,75V / cell | 303,67 | 242,77 | 196,11 | 150,38 | 112,56 | 89,72 | 54,55 | 41,49 | 33,52 | 27,23 | 23,64 | 18,83 | 15,97 | 8,30 |
| 1,70V / cell | 330,12 | 259,87 | 207,72 | 157,53 | 117,83 | 93,09 | 56,83 | 42,68 | 34,00 | 27,92 | 24,21 | 19,17 | 16,20 | 8,46 |
| 1,67V / cell | 345,30 | 269,90 | 218,70 | 162,60 | 120,10 | 94,90 | 57,80 | 43,60 | 34,20 | 28,40 | 24,60 | 19,50 | 16,30 | 8,51 |
| 1,65V / cell | 359,29 | 278,65 | 222,02 | 166,68 | 120,67 | 96,23 | 58,42 | 44,51 | 35,72 | 28,70 | 24,67 | 19,60 | 16,52 | 8,56 |
| 1,60V / cell | 384,86 | 295,72 | 235,72 | 175,54 | 125,60 | 99,40 | 60,31 | 45,79 | 36,74 | 29,59 | 25,25 | 19,64 | 16,65 | 8,59 |