

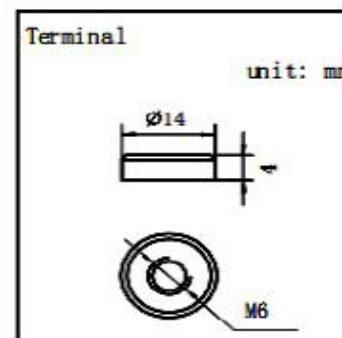
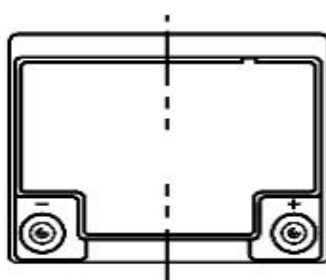
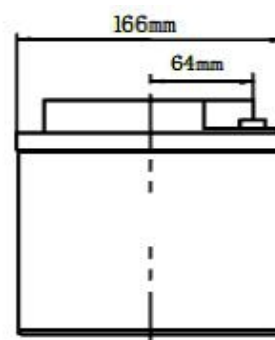
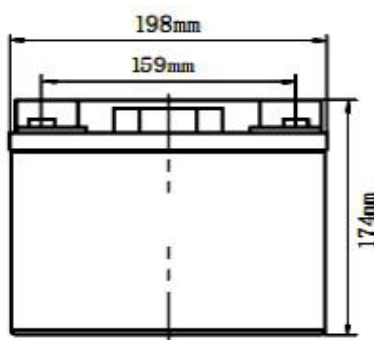
Toyama

TYP AKUMULATORA: Toyama – NPCG35 12V
Deep Cycle Gel Battery



Specyfikacja techniczna:

| | | |
|--------------------------------|------------------------|-------------|
| Napięcie | 12 Volt | |
| Pojemność | 42 Ah | |
| Wymiary | długość | 198 mm |
| | szerokość | 166 mm |
| | wysokość | 174 mm |
| | całkowita wys. | 174 mm |
| Masa akumulatora | 14kg | |
| Rodzaj obudowy | ABS | |
| Rezystancja wewnętrzna | <10,0mΩ | |
| Pojemność znamionowa | C-20 (1,75V/cell,25°C) | 42 Ah |
| | C-5 (1,75V/cell,25°C) | 32 Ah |
| | C-1 (1,60V/cell,25°C) | 22 Ah |
| Zakres temperatur pracy | rozładowanie | -20 - 55°C |
| | ładowanie | - 10 - 40°C |
| | przechowywanie | -20 - 50°C |
| Pojemność w danej temperaturze | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 90% |
| | -15°C | 70% |
| samorozładowanie | po 3 mies. | 92% |
| | po 6 mies. | 84% |
| | po 12 mies. | 65% |



Praca cykliczna – maksymalny prąd ładowania nie wyższy niż 10A
Napięcie ładowania 14,4V-14,9V w temp. 25°C. Korekta -30mV/°C
Napięcie ładowania 13,6V-13,8V w temp. 25°C. Korekta -20mV/°C

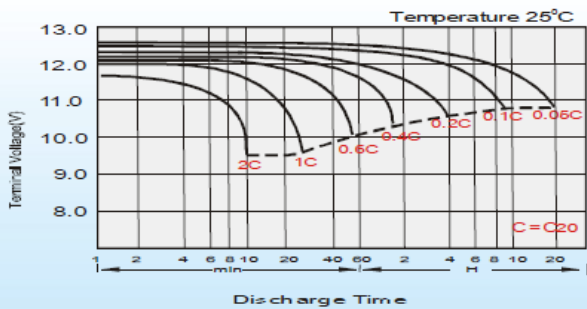
Tabela rozładowania stałym prądem (Amper) 25°C

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|------|
| 1.60V | 95.0 | 60.6 | 51.5 | 32.9 | 24.2 | 22.2 | 14.1 | 9.9 | 6.7 | 4.4 | 4.0 | 2.2 |
| 1.65V | 93.3 | 59.5 | 50.5 | 32.3 | 23.7 | 21.8 | 13.8 | 9.7 | 6.6 | 4.4 | 3.9 | 2.16 |
| 1.70V | 91.6 | 58.4 | 49.6 | 31.7 | 23.3 | 21.4 | 13.6 | 9.5 | 6.5 | 4.3 | 3.8 | 2.12 |
| 1.75V | 89.9 | 57.3 | 48.7 | 31.1 | 22.8 | 21.0 | 13.3 | 9.4 | 6.4 | 4.2 | 3.7 | 2.08 |
| 1.80V | 86.4 | 55.1 | 46.8 | 29.9 | 22.0 | 20.2 | 12.8 | 9.0 | 6.1 | 4.0 | 3.6 | 2.00 |

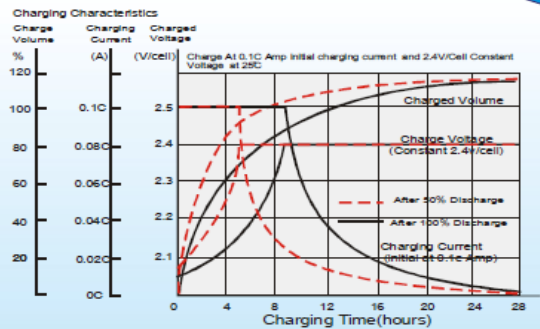
Tabela rozładowania mocą (Watt) 25°C

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-----|-----|-----|
| 1.60V | 183.0 | 116.6 | 99.1 | 63.3 | 46.5 | 42.7 | 27.1 | 19.1 | 13.0 | 8.5 | 7.6 | 4.2 |
| 1.65V | 179.6 | 114.5 | 97.3 | 62.1 | 45.7 | 41.9 | 26.6 | 18.7 | 12.7 | 8.4 | 7.5 | 4.2 |
| 1.70V | 176.3 | 112.4 | 95.5 | 61.0 | 44.8 | 41.1 | 26.2 | 18.4 | 12.5 | 8.2 | 7.3 | 4.1 |
| 1.75V | 173.0 | 110.3 | 93.7 | 59.8 | 44.0 | 40.4 | 25.7 | 18.0 | 12.3 | 8.1 | 7.2 | 4.0 |
| 1.80V | 166.3 | 106.0 | 90.1 | 57.5 | 42.3 | 38.8 | 24.7 | 17.3 | 11.8 | 7.8 | 6.9 | 3.8 |

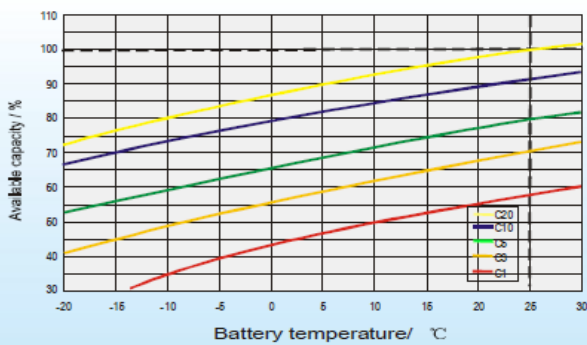
Discharge Characteristics



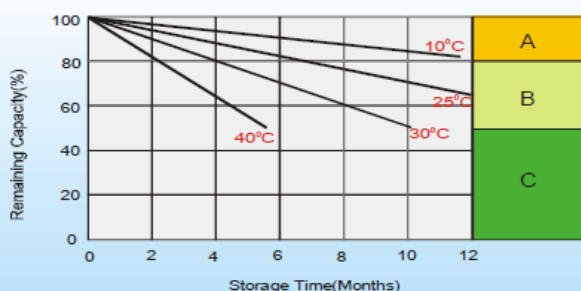
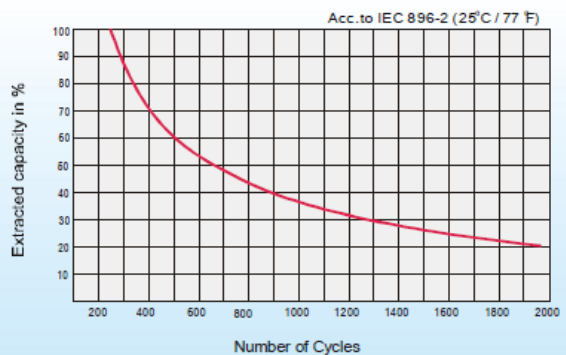
Charging Characteristics (cycle use)



Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

- A** No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below.
 - 1.Charged for above 3 days at limited current 0.25CA and constant volatge 2.25V/cell.
 - 2.Charged for above 20hours at limited current 0.25CA and constant volatge 2.45V/cell.
 - 3.Charged for 8-10hours at limited current 0.05CA .
- C** Supplementary charge may often fail to recover the capacity.
The battery should never be left standing till this is reached.