

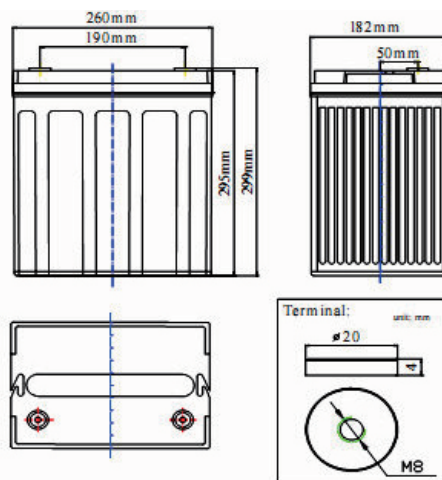
GC2-8VTP-170 8V170Ah

General purpose application series

TUBULAR PLATE



Product Dimensions



Characteristics

| | | |
|---|---------------------------|---|
| Nominal Voltage | | 8V |
| Nominal Capacity (20 hour rate) | | 170Ah |
| Capacity 25°C (77°F) | 10 hour rate (15.3A) | 153Ah |
| | 5 hour rate (27.0A) | 135Ah |
| | 1 hour rate (94.3A) | 94.3Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤3.0mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 85% |
| | -15°C (5°F) | 65% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 90% |
| | after 6 month storage | 80% |
| | after 12 month storage | 62% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 40A Voltage 9.07-9.2V |
| | Cycle | Initial Charging Current Less than 40A Voltage 9.6-9.94V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 260mm |
| | Width | 180mm |
| | Height | 282mm |
| | Total Height | 301mm |
| Box Dimensions | Length | 275mm |
| | Width | 197mm |
| | Height | 355mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 30.5kg±400g |
| Net weight Per Box | | 30.5kg |
| Gross Weight | | 31.5kg |

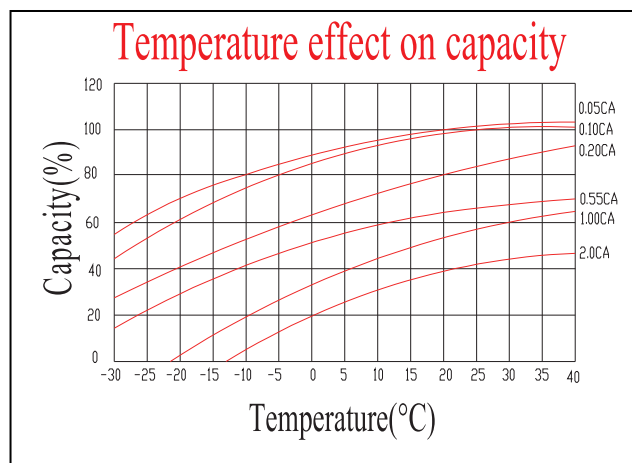
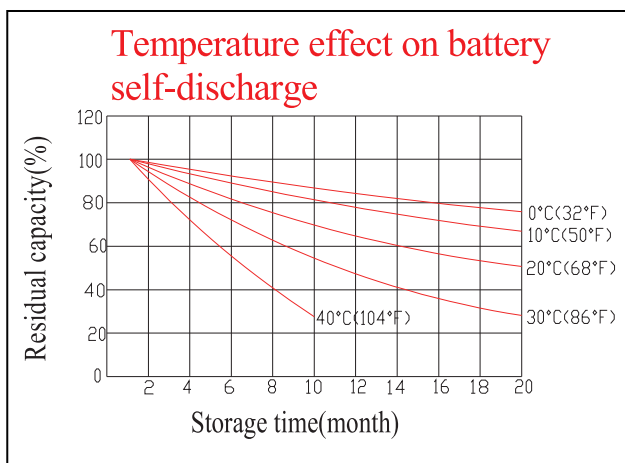
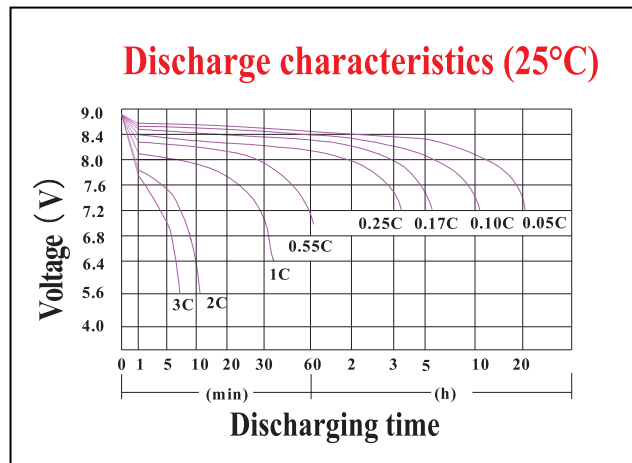
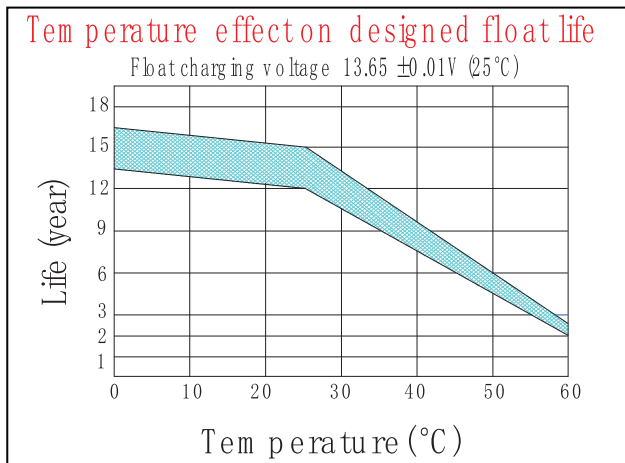
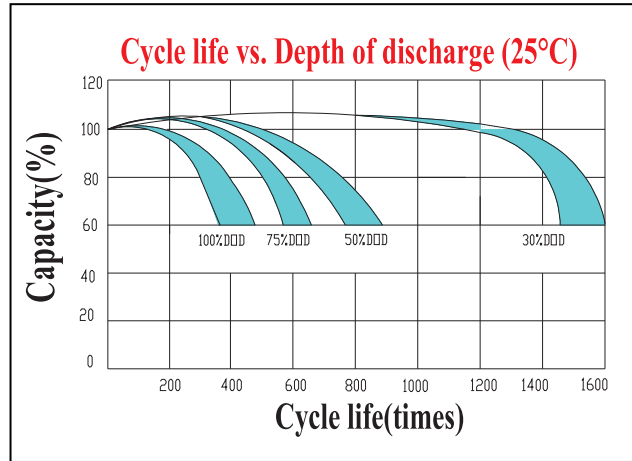
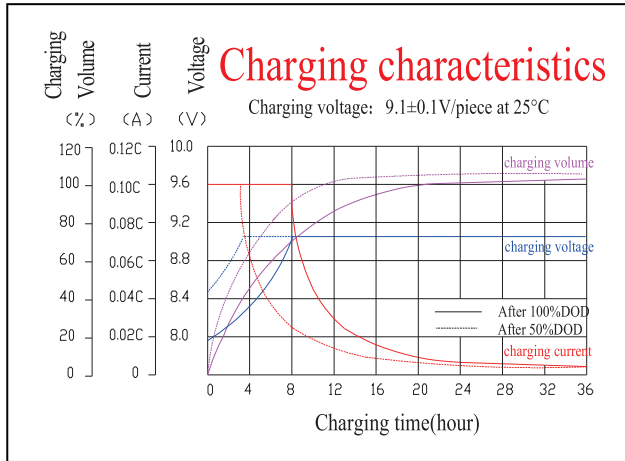
Discharge Constant Current per Cell (Amperes at 77°F 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 404 | 257 | 219 | 140 | 94.3 | 42.1 | 28.6 | 16.8 | 9.35 |
| 1.65V | 397 | 253 | 215 | 137 | 92.6 | 41.3 | 28.1 | 16.5 | 9.18 |
| 1.70V | 389 | 248 | 211 | 135 | 90.8 | 40.5 | 27.5 | 16.2 | 9.01 |
| 1.75V | 420 | 243 | 207 | 132 | 89.1 | 39.8 | 27.0 | 15.9 | 8.84 |
| 1.80V | 367 | 234 | 199 | 127 | 85.7 | 38.3 | 26.0 | 15.3 | 8.50 |

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

| F.V/Time | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-----|----|----|------|------|
| 1.60V | 778 | 496 | 421 | 269 | 181 | 81 | 55 | 32.4 | 18.0 |
| 1.65V | 763 | 487 | 414 | 264 | 178 | 80 | 54 | 31.8 | 17.7 |
| 1.70V | 749 | 478 | 406 | 259 | 175 | 78 | 53 | 31.2 | 17.3 |
| 1.75V | 735 | 469 | 398 | 254 | 172 | 77 | 52 | 30.6 | 17.0 |
| 1.80V | 707 | 451 | 383 | 244 | 165 | 74 | 50 | 29.5 | 16.3 |

Performance Characteristics



Battery Construction

| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Raw material | Lead dioxide | Lead | ABS | ABS | Si-Rubber | Copper | Fiberglass | Sulfuric acid |