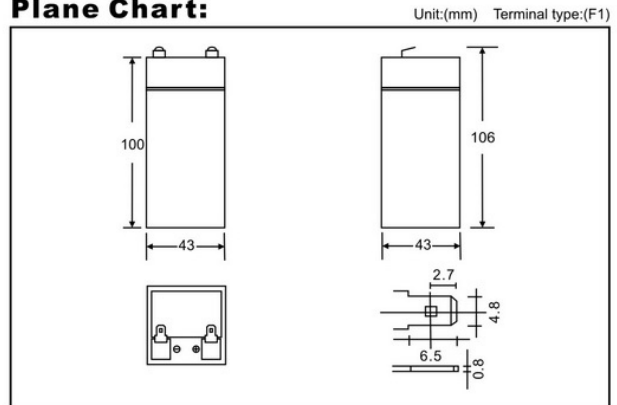




Akumulator żelowy VIPOW 4V 4,9Ah



Plane Chart:



ISO9001
ISO140001
OHSAS18001

Characteristic:

- 1.100% testing before out of factory, stable and reliable quality is guaranteed.
2. Professional alloy formula and advanced manufacturing techniques.
3. Completely sealed and maintenance free, low self-discharge.
4. Good charge-discharge acceptability.
5. Cyclic application: deep cycle charge-discharge for more than 260 times.
6. Floating application: for 3-5 years.

Application:

- Anti-theft system
- Radio transceiver
- Power system
- Railroad engine and railway communication
- Emergency lighting and lamps
- Electric tools
- Electronic instruments and other backup power
- Medical facilities
- UPS for banking system
- Computer backup power
- Marine system
- UPS for fire fighting system
- Toys

Parts:

Executed Standard:GB/T 19639.1-2005

| Cover | Container Bottom | Terminal | Positive Plate | Negative Plate | Separator | Electrolyte | Safety Valve | Seal Glue |
|-------|------------------|----------|------------------|----------------|-----------|-----------------------|--------------|-------------|
| ABS | ABS | Copper | PbO ₂ | Pb | AGM | dilute sulphuric acid | Rubber | Epoxy Resin |

Packing

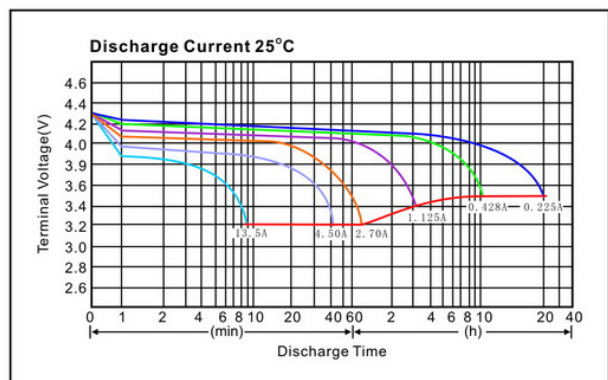
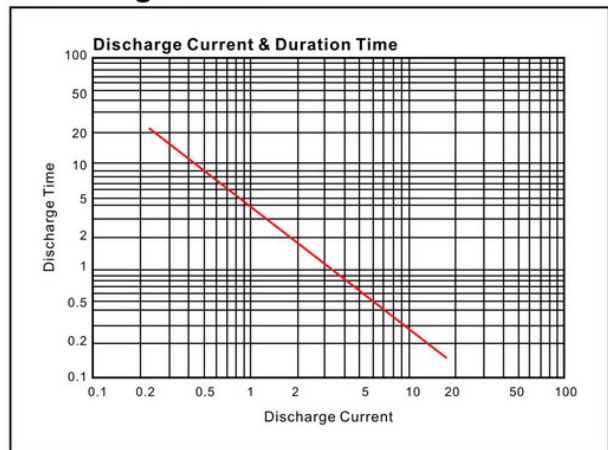
| Date | Battery Packing | Inner Packing | Outer Packing |
|-----------------|-----------------|---------------|----------------|
| ① Printing | ① Polybag | Paper Box | Carton Packing |
| ② Branded | ② Shrink | | |
| Carton Sealing | | Accessories | |
| ① Packing Strap | | Bolts&nuts | Mini Charger |
| ② Shrink | | With | Optional |

Parameter Chart:

| Volts | | 4V | |
|--|--|---|--|
| Capacity(25°C) | 20 hours rate (0.225A) | 4.0Ah | |
| Discharge Current Testing (25°C) | 20 I ₂₀ rate (4.0A, 27min) | 37min | |
| | 60 I ₃₀ rate (12A, 7min) | 8min | |
| Internal Resistance | Full Charged Battery 25°C | 20mΩ | |
| Capacity Affected By Temperature (20 hours rate) | 40°C | 102% | |
| | 25°C | 100% | |
| | 0°C | 85% | |
| | -15°C | 62% | |
| Residual Capacity (25°C) | Capacity After 3 Months Storage | 91% | |
| | Capacity After 6 Months Storage | 82% | |
| | Capacity After 12 Months Storage | 64% | |
| Cycle (Above 300 Time) | Discharge 2hrs at 1.125A Current Charge 6hrs at 0.4A Current (25°C) | | |
| Charge (Constant Voltage) | Cycle (25°C) | Initial Charging Current Less Than 1.2A Voltage 4.8~4.9V | |
| | Float (25°C) | Charge Voltage 4.5~4.6V | |
| Weight (Approx) | | 0.47Kg | |

★The above are average and date obtained from the first 3 charge/discharge cycles. These are not minimum values.

Discharge Curve





| Constant Current Discharge (Amperes) at 25°C (77°F) | | | | | | | | | | | | |
|---|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| F.V/Time | 5min | 10min | 15min | 30min | 1Hr | 2Hr | 3Hr | 4Hr | 5Hr | 6Hr | 10Hr | 20Hr |
| 1.80V/cell | 19.320 | 14.490 | 10.500 | 7.070 | 4.130 | 2.310 | 1.750 | 1.400 | 1.232 | 1.008 | 0.658 | 0.343 |
| 1.75V/cell | 20.020 | 14.770 | 10.710 | 7.210 | 4.190 | 2.380 | 1.820 | 1.470 | 1.260 | 1.022 | 0.672 | 0.350 |
| 1.70V/cell | 21.840 | 15.680 | 11.340 | 7.490 | 4.270 | 2.450 | 1.869 | 1.491 | 1.281 | 1.043 | 0.685 | 0.356 |
| 1.65V/cell | 24.010 | 17.010 | 12.320 | 7.910 | 4.270 | 2.460 | 1.890 | 1.509 | 1.295 | 1.050 | 0.693 | 0.357 |
| 1.60V/cell | 26.040 | 17.850 | 12.950 | 8.260 | 4.340 | 2.520 | 1.904 | 1.519 | 1.309 | 1.071 | 0.700 | 0.364 |

| Constant Power Discharge (Watts/cell) at 25°C (77°F) | | | | | | | | | | | | |
|--|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| F.V/Time | 5min | 10min | 15min | 30min | 1Hr | 2Hr | 3Hr | 4Hr | 5Hr | 6Hr | 10Hr | 20Hr |
| 1.80V/cell | 253.090 | 186.310 | 149.310 | 88.790 | 50.950 | 27.600 | 20.399 | 16.860 | 14.070 | 11.820 | 7.858 | 4.116 |
| 1.75V/cell | 292.910 | 201.810 | 156.200 | 92.190 | 52.470 | 28.140 | 20.811 | 17.160 | 14.280 | 12.000 | 7.980 | 4.200 |
| 1.70V/cell | 311.220 | 209.120 | 160.990 | 94.290 | 53.420 | 28.620 | 21.000 | 17.460 | 14.360 | 12.240 | 8.022 | 4.221 |
| 1.65V/cell | 325.210 | 214.120 | 164.680 | 95.590 | 54.060 | 28.920 | 21.151 | 17.640 | 14.410 | 12.360 | 8.039 | 4.229 |
| 1.60V/cell | 336.000 | 218.400 | 168.000 | 96.600 | 54.600 | 29.220 | 21.269 | 17.820 | 14.448 | 12.480 | 8.039 | 4.229 |

Loading Info

| Master Carton | | | Pallet | | | 20 GP | |
|---------------|-------------|----------|----------|------------|---------|------------|------------------|
| Pcs/Ctn | Size(mm) | N.W.(kg) | Size(mm) | Total CTNS | N.W.(T) | Pallet Qty | Battery Qty(pcs) |
| 40 PCS | 402*252*139 | 18.80 | | | | | |