

## SK6-7,2 6V - 7,2AH

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.



### Battery construction

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

### General features

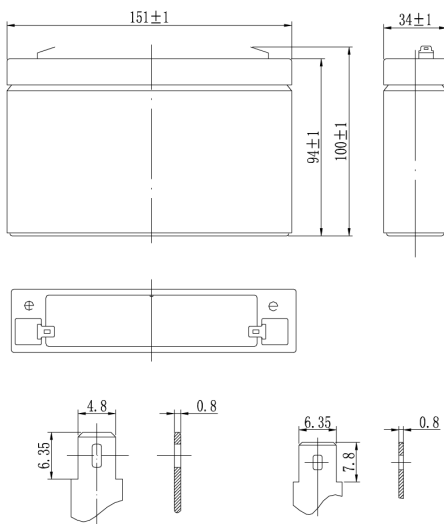
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

### Dimensions and weight

Length (mm / inch) ..... 151 / 5,94  
 Width (mm / inch) ..... 34 / 1,34  
 Height (mm / inch) ..... 94 / 3,70  
 Total Height (mm / inch) ..... 100 / 3,94  
 Approx Weight (Kg / lbs) ..... 1,10 / 2,40

Terminal Type : F1 (4,8MM)

### Battery and terminal dimensions



### Performance characteristics

**NOMINAL VOLTAGE** ..... 6V  
**NUMBER OF CELL** ..... 3  
**NOMINAL CAPACITY (25°C)**  
 20 hour rate (0.36A - 5.25V) ..... 7.20Ah  
 10 hour rate (0.69A - 5.25V) ..... 6.90Ah  
 5 hour rate (1.20A - 5.10V) ..... 6.00Ah  
 1 hour rate (4.80A - 4.80V) ..... 4.80Ah  
**INTERNAL RESISTANCE**  
 Fully Charged battery (25°C) ..... 22 mOhms  
**SELF-DISCHARGE**  
 3% of capacity declined per month at 20°C (average)  
**OPERATING TEMPERATURE RANGE**  
 Discharge ..... -20 — 60°C  
 Charge ..... -10 — 60°C  
 Storage ..... -20 — 60°C  
**MAX DISCHARGE CURRENT**  
 77°F (25°C) ..... 105A (5s)  
**CHARGE METHODS** Constant Voltage Charge 77°C (25°C)  
**Cycle use** ..... 7,20 — 7,35V  
 Maximum charging current ..... 2.80A  
 Temperature compensation ..... -30mV/°C  
**Standby use** ..... 6,75 — 6,90V  
 Temperature compensation ..... -20mV/°C

### INTERNATIONAL STANDARD REFERENCES

- EN 60896-21
  - EN 60896-22
  - BS 6290-4
  - EN 50272-2
  - EUROBAT 3-5 years
- “Standard commercial”

### CERTIFIED

- ISO 9001
- ISO 14001
- UL Component

### CASE BOX

Available in  
 Flame Retardant  
 UL94 V0 version

### Discharge constant current (Ampere at 77°F 25°C)

TIME	5 min	10 min	15 min	30 min	60 min	3 h	5 h	10 h	20 h
<b>1.60 V</b>	30,0	18,8	15,3	8,50	4,80	1,88	1,29	0,71	0,38
<b>1.65 V</b>	28,4	17,9	14,6	8,15	4,63	1,82	1,25	0,70	0,38
<b>1.70 V</b>	26,8	17,0	13,9	7,86	4,44	1,76	1,20	0,70	0,37
<b>1.75 V</b>	25,2	16,0	13,2	7,56	4,25	1,69	1,16	0,69	0,36
<b>1.80 V</b>	23,5	15,1	12,5	7,18	4,04	1,64	1,12	0,67	0,35

### Discharge constant power (Watts/cell at 77°F 25°C)

TIME	5 min	10 min	15 min	30 min	45 min	60 min	2 h	3 h	5 h
<b>1.60 V</b>	53,3	35,8	28,1	15,5	11,8	9,30	5,13	3,68	2,38
<b>1.65 V</b>	50,7	34,0	27,0	14,9	11,3	8,90	5,02	3,59	2,34
<b>1.70 V</b>	48,1	32,2	25,9	14,3	10,8	8,53	4,89	3,49	2,30
<b>1.75 V</b>	45,6	30,4	24,8	13,7	10,4	8,28	4,73	3,38	2,25
<b>1.80 V</b>	43,1	28,6	23,8	13,2	10,0	7,90	4,58	3,27	2,19