

# SK12-7,2 12V - 7,2AH

The rechargeable batteries are lead-lead dioxide systems. The diluite 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.

## • SECURITY •

### 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

Lenght (mm / inch) .....151 / 5,94  
 Width (mm / inch) ..... 65 / 2,56  
 Height (mm / inch)..... 94 / 3,70  
 Total Height (mm / inch) .....100 / 3,94  
 Approx Weight (Kg / lbs) .....2,05 / 4,43

Terminal Type : F1 (4,8MM)

### Performance characteristics

**NOMINAL VOLTAGE**..... 12V

**NUMBER OF CELL** ..... 6

#### NOMINAL CAPACITY (25°C)

20 hour rate (0.36A - 10.5V) ..... 7.20Ah

10 hour rate (0.66A - 10.5V) ..... 6.60Ah

5 hour rate (1.20A - 10.2V) ..... 6.00Ah

1 hour rate (4.58A - 9.6V) ..... 4.58Ah

#### INTERNAL RESISTANCE

Fully Charged battery (25°C) ..... 28 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** ..... 14,4 — 14,7V

Maximum charging current ..... 2.10A

Temperature compensation ..... -30mV/°C

**Standby use** ..... 13,5 — 13,8V

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”

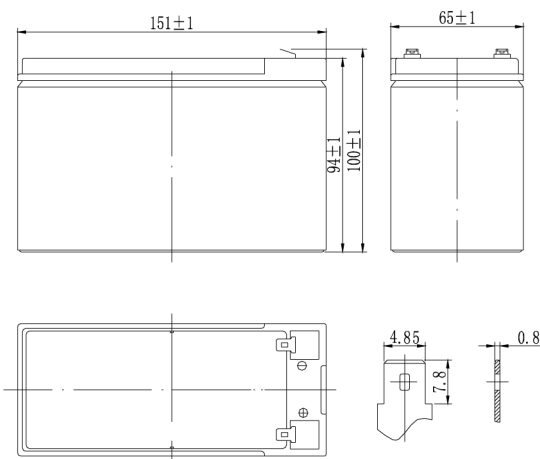
### CERTIFIED

- ISO 9001
- ISO 14001
- UL Component

### CASE BOX

Available in  
 Flame Retardant  
 UL94 V0 version

### Battery and terminal dimensions



### 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>9,60V</b>	26,8	16,9	13,4	7,47	4,58	1,80	1,22	0,67	0,37
<b>9,90V</b>	26,0	16,4	13,1	7,32	4,51	1,79	1,22	0,66	0,37
<b>10,2V</b>	24,9	15,7	12,6	7,10	4,40	1,77	1,21	0,66	0,36
<b>10,5V</b>	23,8	15,1	12,2	6,93	4,31	1,76	1,20	0,66	0,36
<b>10,8V</b>	22,5	14,2	11,5	6,67	4,18	1,71	1,16	0,64	0,36

### Discharge constant power (Watts 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>9,6V</b>	299	191	153	85,6	68,40	53,1	29,3	21,4	14,6
<b>9,90V</b>	290	185	149	83,9	68,10	52,3	29,1	21,2	14,5
<b>10,2V</b>	278	177	144	81,4	65,20	50,9	28,9	21,1	14,4
<b>10,5V</b>	266	170	139	79,4	63,40	49,9	28,4	20,9	14,3
<b>10,8V</b>	251	160	131	76,5	61,70	48,4	27,7	20,3	13,9