

## SK12-200 12V - 200AH (C/10)

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) .....522 / 20,6  
 Width (mm / inch) .....238 / 9,37  
 Height (mm / inch).....218 / 8,58  
 Total Height (mm / inch).....223 / 8,78  
 Approx Weight (Kg / lbs).....62,0 / 136,8

Terminal Type : F12 (M8)

### Performance characteristics

**NOMINAL VOLTAGE**..... 12V  
**NUMBER OF CELL** ..... 6  
**NOMINAL CAPACITY (25°C)**  
 20 hour rate (11.0A - 10.8V) ..... 220Ah  
 10 hour rate (20.0A - 10.8V) ..... 200Ah  
 5 hour rate (36.0A - 10.5V)..... 180Ah  
 1 hour rate (128.0A - 9.6V)..... 128Ah  
**INTERNAL RESISTANCE**  
 Fully Charged battery (25°C) ..... 3.5 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)..... 1000A (5s)  
**CHARGE METHODS** Constant Voltage Charge 77°C (25°C)  
**Cycle use** ..... 14,4 — 14,7V  
 Maximum charging current..... 60A  
 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 10-12 years  
 "High Performance"

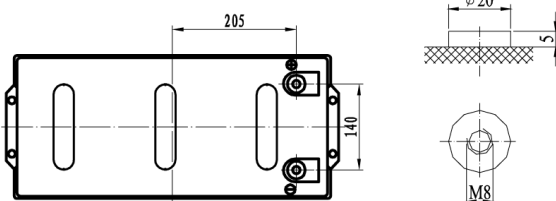
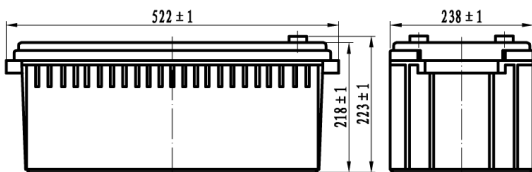
### CERTIFIED

- 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	20 min	30 min	45 min	60 min	2 h	3 h	5 h	10 h	20 h
1.60 V	564	440	360	290	220	159	128	75,2	57,6	38,2	20,4	11,2
1.65 V	513	419	350	281	212	153	124	72,7	55,6	37,2	20,3	11,1
1.70 V	482	400	337	271	206	149	120	71,3	55,0	36,6	20,2	11,1
1.75 V	461	382	319	260	200	145	117	69,3	53,4	36,0	20,1	11,0
1.80 V	428	331	269	228	197	140	114	66,8	51,0	35,4	20,0	11,0

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

TIME	5 min	10 min	15 min	20 min	30 min	45 min	60 min	2 h	3 h	5 h	10 h	20 h
1.60 V	920	756	625	514	402	294	230	139	109	73,0	40,2	22,08
1.65 V	899	729	604	497	390	286	225	137	107	72,0	39,2	21,48
1.70 V	857	704	586	484	382	279	221	134	105	71,2	38,4	21,12
1.75 V	813	679	578	475	372	274	217	134	101	70,2	37,6	20,64
1.80 V	774	644	554	459	364	270	215	127	98,0	69,3	36,7	20,16