

## SK12-250 12V - 250AH (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) .....520 / 20,5  
 Width (mm / inch) .....268 / 10,5  
 Height (mm / inch).....220 / 8,66  
 Total Height (mm / inch).....230 / 9,19  
 Approx Weight (Kg / lbs).....73,0 / 161,00

Terminal Type : F12 (M8)

### Performance characteristics

**NOMINAL VOLTAGE**..... 12V  
**NUMBER OF CELL** ..... 6  
**NOMINAL CAPACITY (25°C)**  
 20 hour rate (13.5A - 10.8V) ..... 270Ah  
 10 hour rate (25.0A - 10.8V) ..... 250Ah  
 5 hour rate (40.0A - 10.5V)..... 200Ah  
 1 hour rate (150.0A - 9.6V)..... 150Ah  
**INTERNAL RESISTANCE**  
 Fully Charged battery (25°C) ..... 2.8 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)..... 1200A (5s)  
**CHARGE METHODS** Constant Voltage Charge 77°C (25°C)  
**Cycle use** ..... 14,4 — 14,7V  
 Maximum charging current..... 70A  
 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"

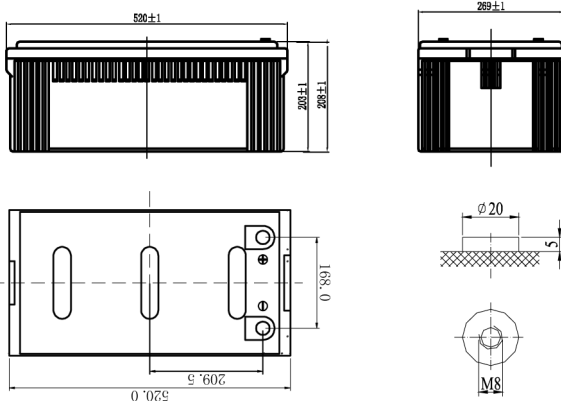
### CERTIFIED

- 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	801	528	425	355	285	217	150	87,5	64,3	41,3	26,25	14,18
1.65 V	776	476	401	336	272	206	141	83,5	62,5	40,5	25,75	14,00
1.70 V	75	426	350	303	255	196	136	81,5	61,0	40,0	25,50	13,75
1.75 V	723	401	326	280	235	183	132	79,5	59,5	39,0	25,25	13,60
1.80 V	699	376	301	256	210	168	127	77,5	57,5	38,0	25,00	13,50

### 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	1377	939	760	635	510	390	270	160	121	78,6	50,5	27,46
1.65 V	1380	885	747	628	509	387	265	160	119	78,1	50,5	27,00
1.70 V	1365	807	666	577	489	376	263	157	118	78,0	50,0	26,88
1.75 V	1352	771	625	539	453	354	256	155	117	76,8	49,5	26,80
1.80 V	1320	725	583	496	410	329	249	152	113	75,5	47,6	25,75