

## SK12-150 12V - 150AH

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) .....482 / 18,98  
 Width (mm / inch) .....170 / 6,69  
 Height (mm / inch).....240 / 9,45  
 Total Height (mm / inch).....240 / 9,45  
 Approx Weight (Kg / lbs).....47,0 / 104

Terminal Type : F12 (M8)

### Performance characteristics

**NOMINAL VOLTAGE**..... 12V  
**NUMBER OF CELL** ..... 6  
**NOMINAL CAPACITY (25°C)**  
 20 hour rate (8.25A - 10.8V) ..... 165Ah  
 10 hour rate (15.0A - 10.8V) ..... 150Ah  
 5 hour rate (27.0A - 10.5V)..... 135Ah  
 1 hour rate (102.0A - 9.6V)..... 102Ah  
**INTERNAL RESISTANCE**  
 Fully Charged battery (25°C) ..... 5.5 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..... 45A  
 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"

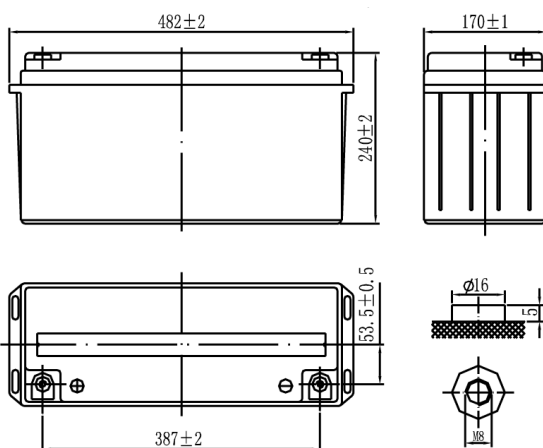
### CERTIFIED

- 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
<b>1.60 V</b>	456	360	288	228	169	123	102	58,9	44,5	28,8	15,5	8,52
<b>1.65 V</b>	423	327	267	214	162	120	99,0	57,9	44,2	28,2	15,4	8,46
<b>1.70 V</b>	402	313	259	210	160	118	96,3	56,9	43,8	27,6	15,2	8,35
<b>1.75 V</b>	461	288	240	198	156	114	93,4	55,9	43,4	27,0	15,1	8,30
<b>1.80 V</b>	340	264	222	186	150	110	90,5	53,7	41,4	26,5	15,0	8,25

### 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
<b>1.60 V</b>	812	637	542	438	333	243	192	111	84,5	55,4	30,5	16,6
<b>1.65 V</b>	750	614	504	404	304	235	186	109	83,9	54,1	29,4	16,2
<b>1.70 V</b>	727	566	469	385	300	229	181	108	83,3	53,2	28,9	15,8
<b>1.75 V</b>	701	532	444	369	294	224	177	106	82,1	52,1	28,5	15,6
<b>1.80 V</b>	642	498	425	357	289	221	175	104	80,8	51,0	27,9	15,4