

SINERCOM SRL

SKB SK12-65S (6FM65) 12V – 65Ah

The rechargeable batteries are lead-lead dioxide systems. Yhr diluite sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidantally overcharged producing hydrogen nad oxygen, special oneway 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 Rubber	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 application.
- Maintenance-free operation.
- Low swlf discharge.

Dimensions and Weight

Length (mm / inch).....258 / 10.20
 Width (mm / inch).....167 / 6.54
 Height (mm / inch).....210 / 8.11
 Total Height (mm / inch).....210 / 8.11
 Approx Weight (Kg / lbs).....23.4 / 51.9

Performance Characteristics

Nominal Voltage.....12V
 Number of cell.....6
 Designe Life.....10 years

Nominal Capacity (25°C)
 20 hour rate (4A, 10.5V).....65Ah
 10 hour rate (7.6A, 10.5V)..... 61Ah
 5 hour rate (13,5A, 10.5V).....54.5Ah
 1 hour rate (49,4A 9.6V)..... 44.2Ah

Internal Resistance
 Fully Charged battery(25°C).....5.5mOhms

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).....650A (5s)
 Short Circuit Current.....1700A

Charge Methods: Constant Voltage Charge 77°C (25°C)
 Cycle use.....14,4 – 14,7V
 Maximum charging current.....16A
 Temperature compensation.....-30mV/°C

Standby use.....13,6 – 13,8V
 Temperature compensation.....-20mV/°C

Discharge Constant Current (Ampere at 77°F 25°C)

Point Volt/Cell	5min	10min	15min	20min	30min	45min	1h	2h	3h	5h	10h	24h
1.60V	215	160	125	97.8	70.5	53.0	44.2	24.3	17.7	12.1	7.01	3.20
1.65V	203	151	116	92.2	68.0	52.8	41.9	23.3	17.1	11.7	6.90	3.12
1.70V	191	143	114	90.2	66.3	50.1	41.5	23.1	16.9	11.5	6.76	3.06
1.75V	178	132	108	87.1	66.2	49.8	40.9	22.8	16.7	11.3	6.61	2.97
1.80V	165	120	100	80.9	61.8	47.3	38.3	21.8	16.3	11.1	6.50	2.86

Discharge Constant Power (Watts at 77°F 25°C)

Point Volt/Cell	5min	10min	15min	20min	30min	45min	1h	2h	3h	5h	10h	24h
1.60V	381	282	204	177	122	98	80.8	48.7	34.5	22.8	13.1	5.98
1.65V	359	267	200	166	120	96.5	79.0	47.7	33.8	22.6	12.9	5.90
1.70V	337	252	197	158	118	94.5	77.2	46.7	33.1	22.1	12.8	5.88
1.75V	315	237	193	155	116	92.4	75.4	45.6	32.4	21.9	12.7	5.84
1.80V	303	220	183	149	114	90	74.5	44.4	31.7	21.7	12.6	5.78