

ENERGY POWER

SCP SERIES

VALVE REGULATED LEAD ACID BATTERY



Deep Cycle
AGM Battery

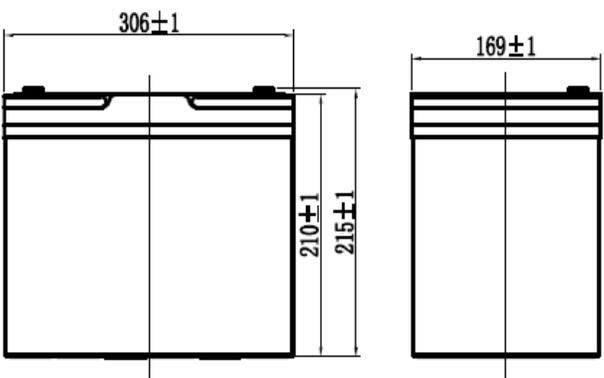
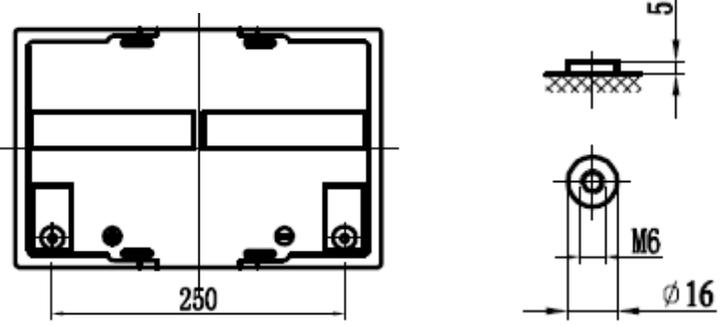
EP-SCP121000

12V 100Ah(24hr)

Energy Power SCP Series Rechargeable AGM Lead Acid batteries are completely sealed, maintenance-free, leak proof, and can be used in any position. Our batteries are approved for transportation by Air, DOT, IATA, and FAA.

FEATURES AND BENEFITS

- The Energy Power SCP Battery Series along with our factories are certified to multiple standards:
 - ISO, OHSAS18001, UL, CE
 - QC/T 742-2006, GB/T18332.1-2009
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.
- Not restricted for air transportation, complies with IATA/ ICAO special provision 67
- UL-recognized component
- Computer designed lead, calcium tin alloy grid for high power density
- Long service life, float or cyclic applications
- Maintenance-Free
- Low self-discharge



MECHANICAL CHARACTERISTICS

Length (mm / inch)	306/12.0
Width (mm / inch)	169/6.65
Height (mm / inch)	210/8.27
Approx. Weight (kg / lbs)	27.76/61.2
Terminal Type/size	M6
Cells	6
Nominal voltage	12

ELECTRICAL CHARACTERISTICS

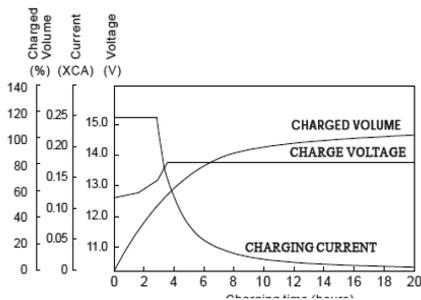
Nominal Capacity	77° F (25° C)	
Self-Discharge	3% of capacity per month at 20° C	
Max Discharge	900A	
Short Circuit Current	2100A	
Constant Voltage Charge 77°F (25°C)	Cycle use	2.40-2.45VPC Maximum charging current 0.33C 20hr
	Standby use	2.26-2.30VPC

ELECTRICAL CHARACTERISTICS

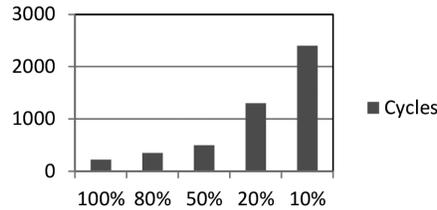
Nominal Capacity 77° F (25°C)					Operating Temperature Range		
100HR	24HR	10HR	5HR	1HR	Discharge	Charge	Storage
1.80V/cell	1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	-20 to +60°C	-10 to +60°C	-20 to +60°C
106Ahr	100Ahr	91Ahr	78.7Ahr	54.8Ahr			

CHARGE / DISCHARGE TABLES & GRAPHS

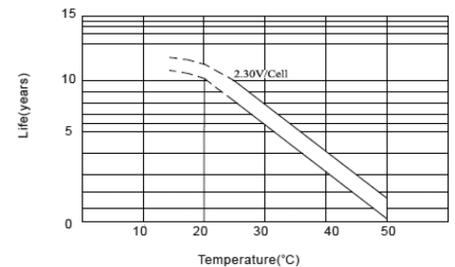
CHARGE CHARACTERISTIC CURVE



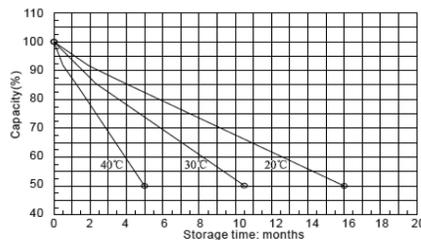
CYCLE LIFE SCP SERIES



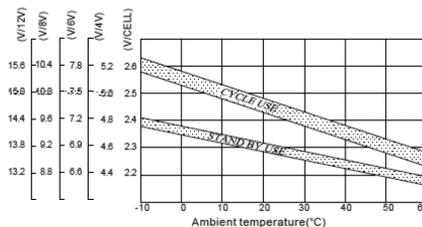
TEMPERATURE EFFECTS ON FLOAT LIFE



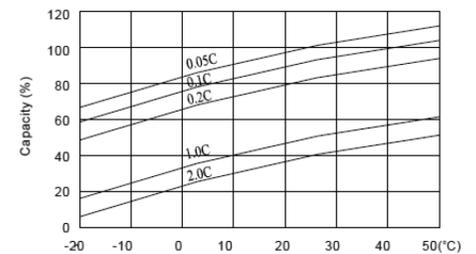
SELF-DISCHARGE CHARACTERISTIC



RELATIONSHIP BETWEEN CHARGING VOLTAGE AND TEMPERATURE



TEMPERATURE EFFECTS ON CAPACITY



To ensure safe and efficient operations always refer to the latest edition of our Technical Manual, as published on our Web site. All specifications subject to change without notice.

