

# ENERGY POWER

MARKETED BY



1800 Roswell Road, Suite 2200  
Marietta, GA 30062  
888-823-0954

## SCP SERIES

VALVE REGULATED LEAD ACID BATTERY



Deep Cycle  
AGM Battery

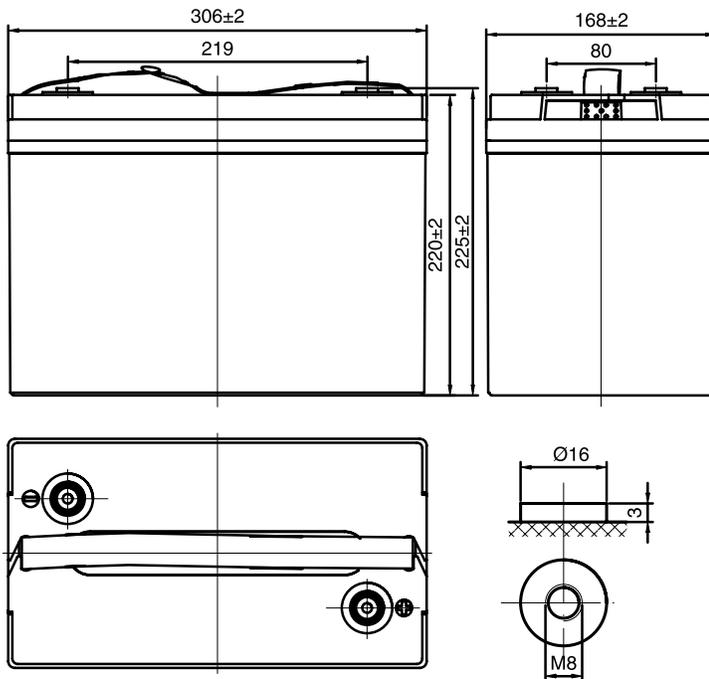
## EP-3FM180D-X

6V 180Ah

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)	168/ 6.6
Height (mm / inch)	220/8.7
Approx. Weight (kg / lbs)	28.6 Kg (63.1lbs)
Terminal Type/size	Copper
Cells	3
Nominal voltage	6V

# ELECTRICAL CHARACTERISTICS

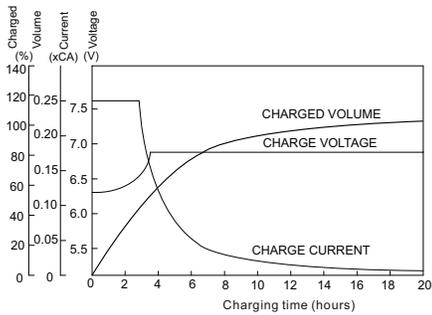
Nominal Capacity	77° F (25° C)	
Self-Discharge	3% of capacity declined per month at 20° (average)	
Max Discharge	900 A (5s)	
Short Circuit Current	3050	
Constant Voltage Charge 77°F (25°C)	Cycle use	2.40-2.45VPC Maximum charging current 0.33C 20hr
	Standby use	2.26-2.30VPC

# ELECTRICAL CHARACTERISTICS

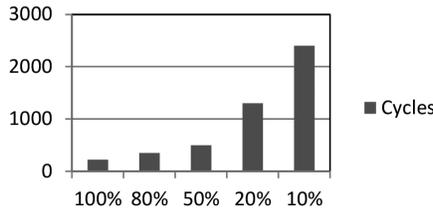
Capacity(25°)				Operating Temperature Range		
10hR	5hR	3hR	1hR	Discharge	Charge	Storage
180 Ah	164 Ah	153.3 Ah	127 Ah	-20~60°C	-10~60°C	-20~60°C

# CHARGE / DISCHARGE TABLES & GRAPHS

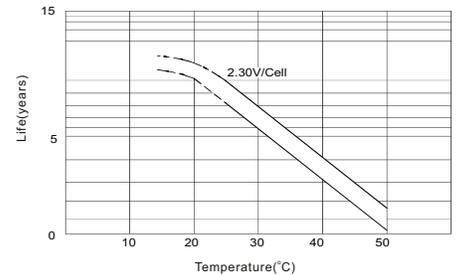
**CHARGE CHARACTERISTIC CURVE**



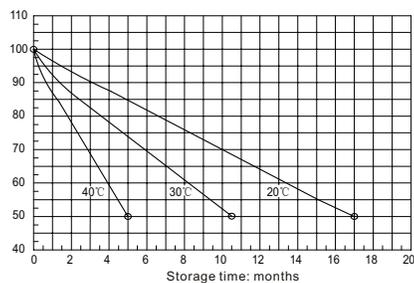
**CYCLE LIFE SCP SERIES**



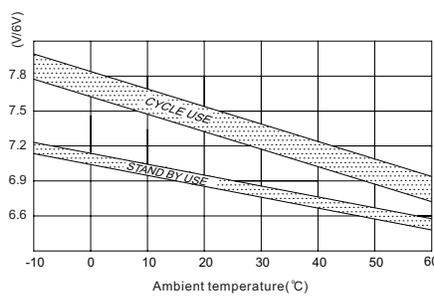
**TEMPERATURE EFFECTS ON FLOAT LIFE**



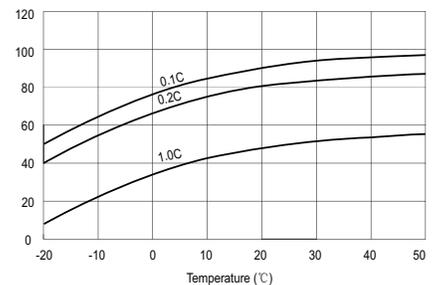
**SELF-DISCHARGE CHARACTERISTIC**



**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.

