

## Solar AGM Battery 12V18ah Basic Info

- Model NO.: 6FM18
- Usage: UPS, Electric Power, Lighting
- Discharge Rate: Low Discharge Rate
- Electrolyte: Acid
- Rechargeable: Chargeable
- Voltage: 12V
- Approx Dimension(mm): 181.5\*77\*167.5
- Terminal: T3
- Specification: CE, SGS
- HS Code: 850720000
- Type: Lead-Acid Batteries
- Nominal Voltage: 12V
- Shape: Square Battery
- Installation: Fixed
- Model No.: 6FM18
- Capacity: 18ah/20hr
- Total Weight: 5.4kg
- Trademark: TIGER HEAD
- Origin: Guangzhou, China

## Product Description



- VRLA-AGM BATTERY  
Guangzhou Tiger head Vrla-AGM Batteries indicate Valve-Regulated Lead-Acid batteries with Absorbed Glass Mat(AGM)separators. By using the matured technology invented more than half century.now we are able to design,build and market high quality,long life VRLA-AGM batteries from 2V to 24V,and 0.5AH to 3500AH.Tiger Head is now one of the fastest developing lead-acid battery manufactures in China

General Purpose Applications:  
ALL Purpose battery Needs

UPS	EPS	Emergency Light	Signal	Security System
Electronic Equipment	DC Power Supply	Tele-Communication	Power System	Network Communication

Deep Cycle Application:

Electric Tools	Lawn Mowers	Golf Trolleys	Portable Apparatus
Electric Toys	Illumination Light	Wheel Chairs	Medical Equipments

- Solar/Wind/Hydro Power System Applications:

Green Energy Systems	Measurement Stations	Pump System	Signal Station	Emergency Lighting	Railway Crossing	Traffic Lights
Street Lighting	Lawn Lamp	SOS Pillars	Camping	Boats or Buoys	Communication System	

- Long life Standby Application:

UPS	EPS	Emergency Light	Railway Signal	Electronic Apparatus
Communication DC Power	Tele-Communication	Power System Communication	Network Communication	Marine

- High Rate Discharging/UPS Applications:

UPS(High rate)	High Power Backup	Starting System
Power Tools	Emergency Lighting	Electric Starting

- Front Terminal/Telecom Applications:

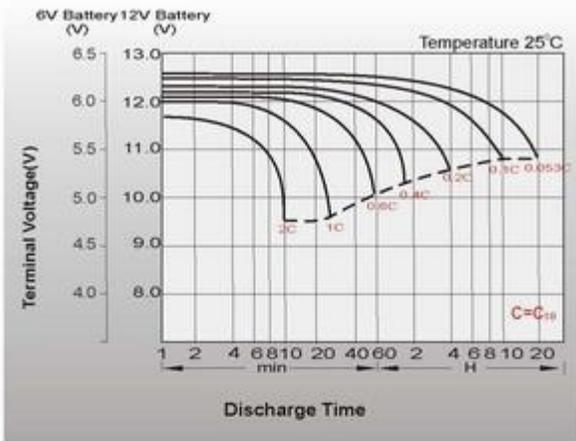
For Standard 19 Inch or 23 Inch Power Cabinets	Network Connection Equipment	UPS
Power Station Systems	Railway and Marine Systems	

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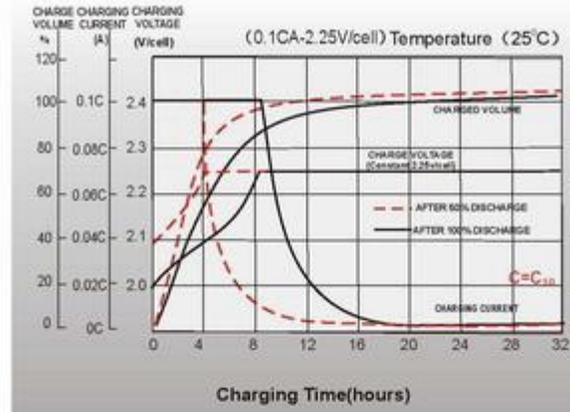
### FEATURES

- .Maintenance-free, no water adding required
- .Sealed Valve-Regulated
- .Spill proof/leak proof
- .Deep discharge protection
- .Plate grids from lead-calcium alloy, free of antimony
- .No corrosion
- .Installs vertically or horizontally
- .Low gassing(unless overcharged)
- .Good cycling and stationary performance
- .Long shelf life
- .Rugged and vibration-resistant

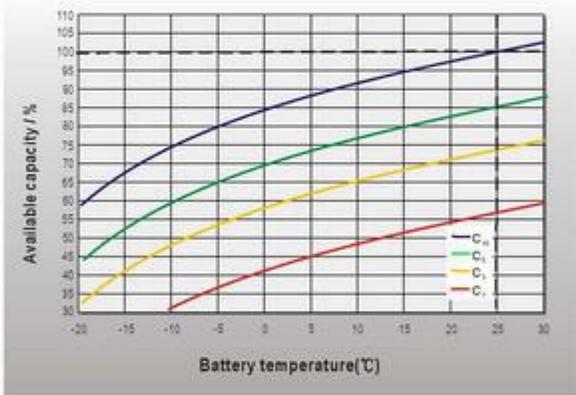
**DISCHARGE CHARACTERISTICS**



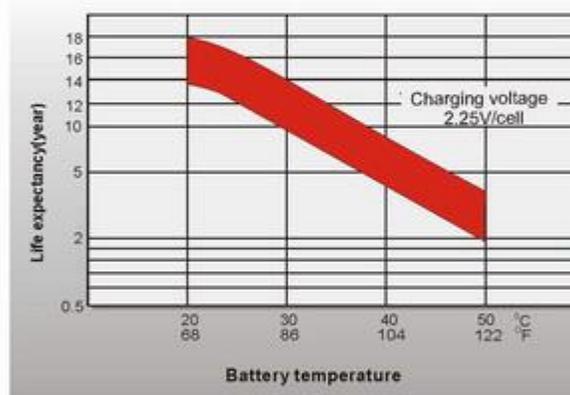
**CHARGING CHARACTERISTICS**



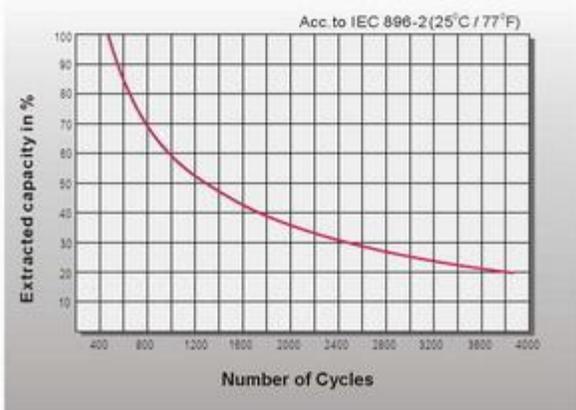
**TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY**



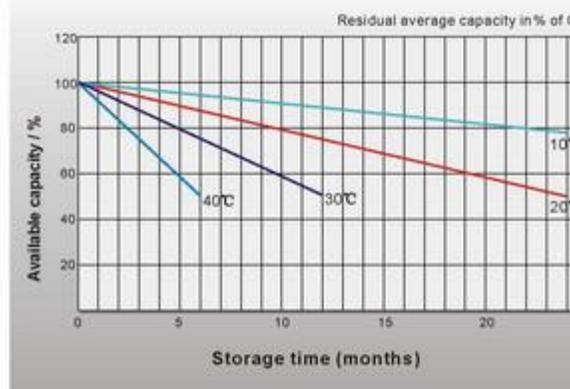
**EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE**



**CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE**



**GENERAL RELATION OF CAPACITY VS. STORAGE TIME**



**T5 Terminal**      Lead  
Torque: 3.9 – 5.4 N\*m

**T6 Terminal**      Brass Coated With Tin; Threaded Insert 6mm STUD  
Torque: 3.9 – 5.4 N\*m

**T7 Terminal**      Brass Coated With Tin; Threaded Insert 6mm STUD  
Torque: 3.9 – 5.4 N\*m

**T9 Terminal**      Lead  
Torque: 11 – 14.7 N\*m

**T10 Terminal**      Lead  
Torque: 3.9 – 5.4 N\*m

**T11 Terminal**      Brass Coated With Tin; Threaded Insert 6mm STUD  
Torque: 11 – 14.7 N\*m

**T12 Terminal**      Brass Coated With Tin; Threaded Insert 6mm STUD  
Torque: 2.0 – 3.0 N\*m

**T13 Terminal**      Brass Coated With Tin; Threaded Insert 6mm STUD  
Torque: 3.9 – 5.4 N\*m

**T14-1 Positive**      Lead  
Torque: 11 – 14.7 N\*m

**T14-2 Negative**      Lead  
Torque: 11 – 14.7 N\*m