

Pure Gel  
Batteries



**TUWAiQ**  
batteries

Energy for tomorrow, **ready today**



# Gel Solar Battery

UICF manufactures advanced gel batteries designed for energy storage. Built in our Saudi facility using high-purity, these batteries deliver stable performance, extreme temperatures control, and maintain capacity through long, repeated charge and discharge cycles, ensuring reliable power for today's critical energy systems.

UICF batteries are engineered for deep cycle performance. Designed with innovative gel technology and a maintenance-free build, UICF Gel Bloc batteries are ideal for solar and renewable energy applications.



## Key Features of Gel Solar Battery

- Maintenance-free gel construction  
– no water topping required

- High Temperature Tolerance

- Deep-Cycle Performance

- Safe and Environmentally Friendly

- Long Service Life



# Applications

Gel Solar — a universal solution  
for deep-cycle needs



Solar



Renewable Energy

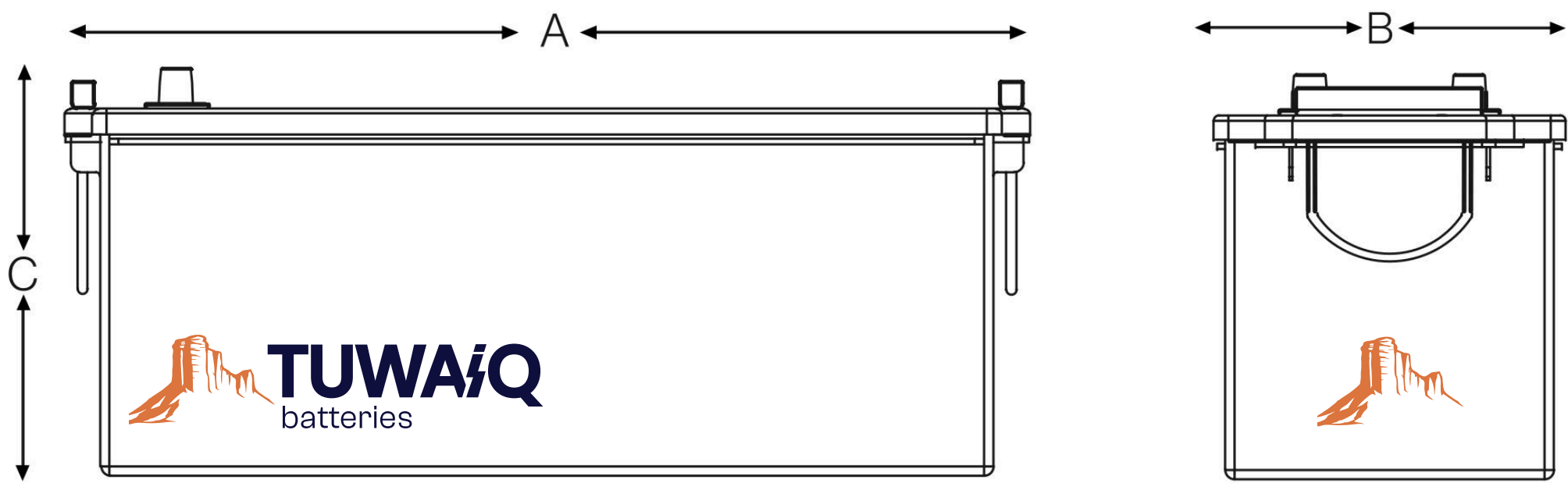


Home Inverter





# Pure Gel Battery



## GENERAL INFORMATION

Modal / Part Number	Pure Gel Battery
Type	12V 200 AH
Application	Gel Solar-Deep Cycle Application

## WARRANTY

Warranty Period	1 year
Terms	As per standard procedure

## ELECTRICAL SPECIFICATIONS

Nominal Voltage	12
Rated Capacity (Ah)	200@C20
80% DOD Voltage Cutoff	11.2 V
Self Discharge rate	Less than 3% per month (20°c)
Discharge Cutoff Voltage	10.8V

## MECHANICAL SPECIFICATIONS

Plate Types	DIN
Length (A)	522 mm
Width (B)	240 mm
Height (C)	219 mm
Weight	57Kgs
Cells	6
Electrolytes	Gel

## PHYSICAL SPECIFICATIONS

Dimensions	522 x 240 x 219
Weight	57 Kgs
Terminal Type	MB

## CHARGING CHARACTERISTICS

Charging Voltage ( Bulk)	14.8 V
Float Voltage	13.8 V
Charging Current	Max. 40 A
Charge Time	5 hours

## PERFORMANCE CHARACTERISTICS

Cycle Life	1200
Depth of Discharge ( DoD)	80%

## ENVIRONMENTAL CONDITIONS

Operating Temperature Range	0°c to 50°c
Storage Temperature	min -20°c / max 60°c

## FEATURES

- Low self discharge rate
- Non-spillable battery
- Maintenance free battery in Gel Technology
- Ready to use
- Recyclable battery

## APPLICATIONS

- Solar
- Renewable Energy
- Home Invertor
- Golf Carts

## CONSTRUCTION

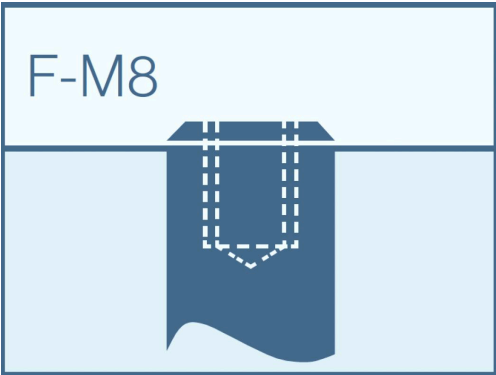
- Lead tin calcium alloy Plates
- PCV Separator used for their high porosity, low resistance, and chemical stability
- Valve regulated lead-acid battery
- ABS Box and lids used to improve its strength, impact resistance, and heat resistance

## SAFETY FEATURES

Valve Regulated lead-acid battery

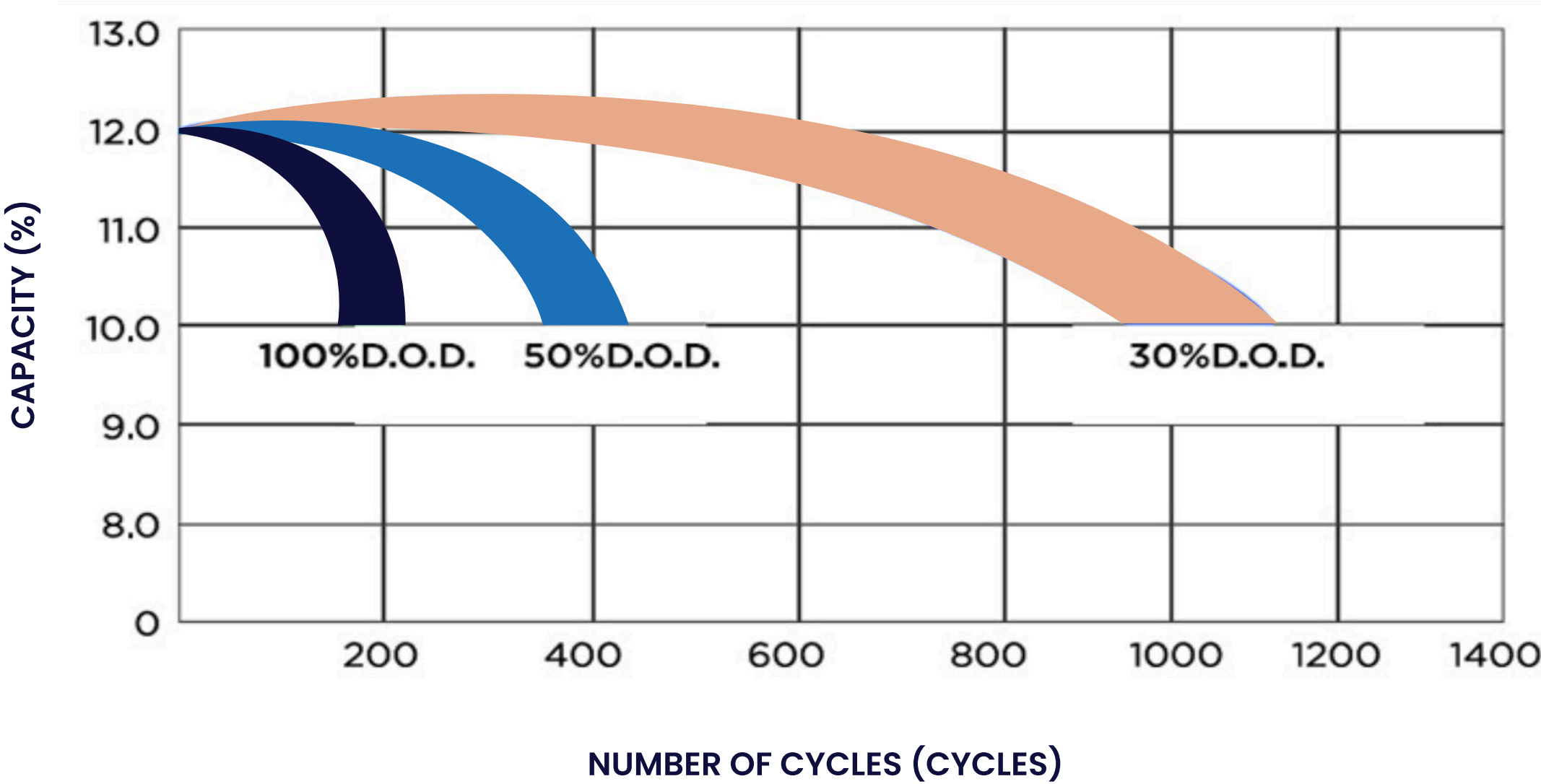
## TERMINAL DESIGN

M8

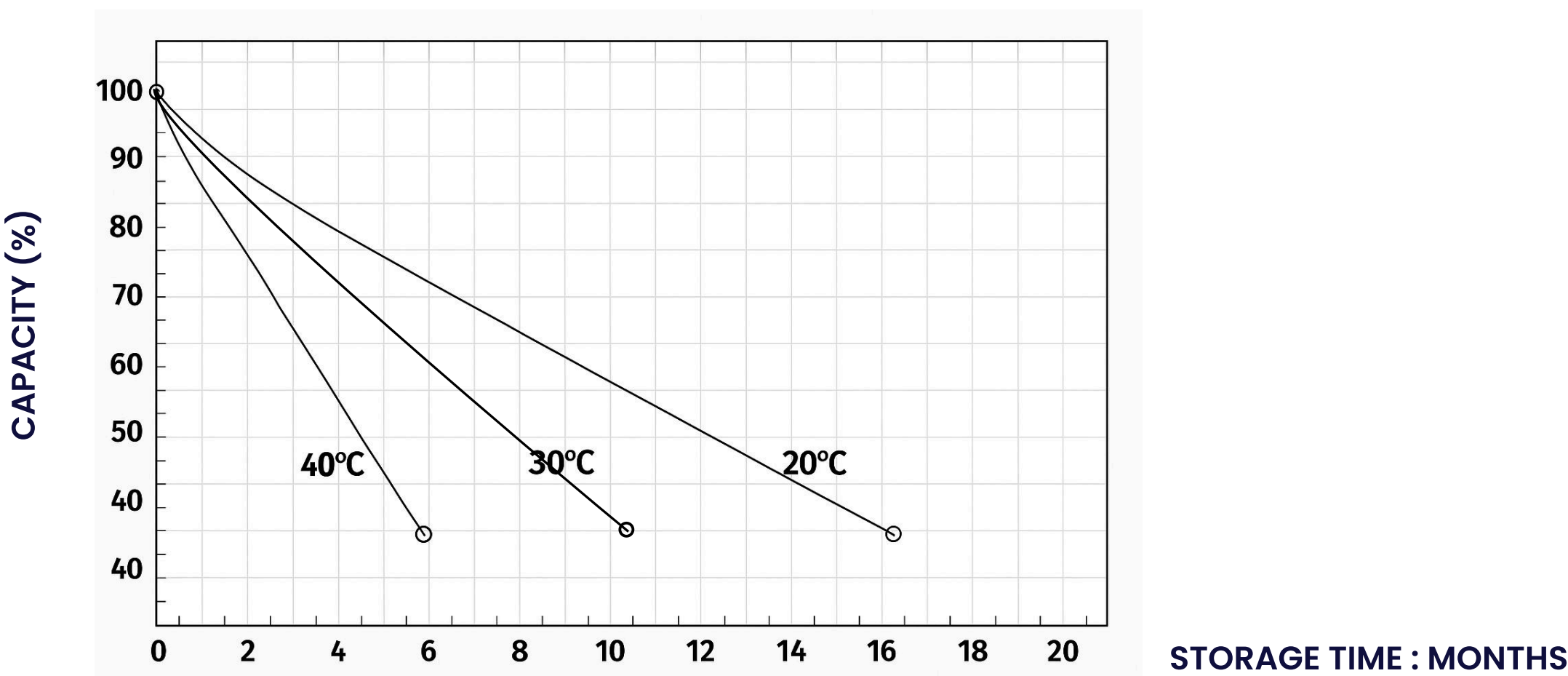


## CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE

Torque: 8Nm



## SELF DISCHARGE CHARACTEISTICS



A global leader in gel battery technology,  
UICF provides high-performance  
energy storage solutions for solar and  
renewable energy applications.

## PURE GEL BATTERY



12V 200Ah

### PREMIUM GEL

#### WARNING

- RISK OF FIRE, EXPLOSION OR BURNING.
- DO NOT DISASSEMBLE, HEAT ABOVE 60° C , OR INCINERATE.
- DO NOT CHARGE IN A GAS TIGHT CONTAINER.

#### CONSTANT VOLTAGE CHARGE

CYCLE USE:14.6-14.8V(25° C)

STANDBY USE:13.6-13.8V(25° C)

INITIAL CURRENT LESS THAN 60A

- DO NOT SHORT CIRCUIT THE BATTERY
- RECHARGE AFTER USE



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## Contact Us

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