



**MODULAR LOW MAINTENANCE  
TUBULAR BATTERIES**



**SPECIALLY DESIGNED FOR  
SOLAR APPLICATIONS**

## **WHY UNIK ?**

- ✓ Our Batteries conform to the Global Standards.
- ✓ Optimum Performance in High Altitude Areas.
- ✓ Well suited for handling Extreme Climatic Conditions.
- ✓ Specially Designed for Sub Zero Temperatures
- ✓ Quick Charge Acceptance
- ✓ Low Carbon Footprint

## **UNIK Batteries – LMM Series**

Designed for solar photovoltaic and other Renewable Energy Applications, it is tailored to meet the specific needs of the solar power system integrators who are looking for a reliable battery at competitive & affordable cost.

These batteries have an excellent charge acceptance characteristic which ensures that the battery is capable of storing the required power in an effective manner despite the availability of electricity in an intermittent manner

## **SALIENT FEATURES**

- ✓ The Positive spine grids are cast on imported pressure die casting machine at high pressure.
- ✓ Heat Sealed construction ensures leak proof product with good aesthetics.
- ✓ Minimum loss of capacity on storage while in idle condition.
- ✓ Low maintenance, instant installation and eco-friendly.
- ✓ Excellent charge acceptance characteristics.
- ✓ Long service life on float charging mode.
- ✓ Proven design providing reliable power supply.
- ✓ Modules suitable for cycling duty in solar photovoltaic application.

# UNIK Stationary Cells for UPS Applications

## CHARGING RECOMMENDATIONS

UNIK Type	Nominal	Module	Initial Charging Parameters			Minimum Ah	Electrolyte
			Acid Qty	Current Starting	Current Finishing		
			Litres / Cell	For 8 hrs	For 4 hrs		
7 SOL 5 BU 65	2V	8	6	30	15	300	Filling specific gravity 1.220 ±0.005 fully charged specific gravity 1.245 ± 0.005
7 SOL 5 BU 86	2V	6	8	40	20	400	
10 SOL 6 BU 86	2V	6	12	50	25	500	
10 SOL 7 BU 86	2V	6	11	60	30	600	
12 SOL 7 BU 100	2V	4	16	70	35	700	
12 SOL 8 BU 100	2V	4	15	80	40	800	
DOSOL 2x7 BU 65	2V	2	20	90	45	900	
DOSOL 2x8 BU 65	2V	2	19	100	50	1000	

## TECHNICAL CHARACTERISTICS

SELF DISCHARGE	2% PER MONTH AT 10° C
	3% PER MONTH AT 20° C
CHARGING EFFICIENCY	> 93% at 20% DOD
BATTERY LIFE	7200 cycles at 10 % DOD Cycle Life : Approx. 20 years
	3000 cycles at 50 % DOD Cycle Life : Approx. 8 years
	1200 cycles at 80 % DOD Cycle Life : Approx. 3 years

## SUPPLY STATE

- ✓ Dry Charged Condition for Quick Activation.
- ✓ Wet Charged Batteries supplied on Specific Request.
- ✓ Stretch wrapped for Factory Fresh Look.
- ✓ L Shaped Terminals for Tight Fit Connection.
- ✓ Nut, Bolts and Washers lead plated for Trouble Free Service.
- ✓ Terminals & Inter Cell Connectors shrouded for Safe Working.



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