

Flooded Tubular -LMS Series

acl

Baterías
Calidad positiva

INDUSTRIAL
SOLUTION
POWER



PRODUCT FEATURE

| | | | | |
|--|--|--|---|--|
|  Available in SOLA-TUBULAR range |  PPCP Container |  Tubular Positive Plates |  Pasted Negative Plates |  High porosity Envelope Separators |
|  Microporous Ceramic Vent Plug |  High tensile, acid resistant Polyster Gauntlets |  Low resistance Fasteners. |  Heavy duty Terminal | |



TUBULAR TECHNOLOGY

Ceil Tubular Batteries have the spines or the positive plate support cast at high pressure (100 Bar) in imported HADI machine which ensures void free structure and consistent grain orientation and can protect the plate support from anodic corrosion. This in turn ensures higher reliability and longer life. Ceil Tubular plates are also cast with low antimony content which reduces the topping up frequency, making the battery low maintenance type. This also keeps the float charging current at a lower value, thus minimises the total energy requirement needed to keep the battery in charged condition during standby float application



APPLICATION :



Solar home lighting



Solar Street Lighting



Solar Photovoltaic Power Plants



Traffic Signalling



BENIFITS

- Specially Designed For arduous SPV application
- Manufacturing with Tubular Technology which stands for reliable and consistent performance
- Designed to operate in partial state of charge condition.
- Ideally designed for cyclic application.
- Superior voltage and energy output profile.
- Excellent charging efficiency:
 - AH efficiency - In excess of 90%
 - WH efficiency - In excess of 80%
- Service life comparable with the best of the international Brands.
- Designed cycle life at C10 discharge at 25°C :
 - 1500 cycle to 80% DOD
 - 3000 cycles to 50% DOD
 - 5000 cycles to 20% DOD
- Supplied in factory charged condition - ensures optimal quality and ready to use.
- Ultra low maintenance
- Low rate of self discharge
- 6V mono-blocks are supplied with Ms Cabinet (fitted suitable exhaust system) or MS Stand (knock down condition) in 48V configuration - ideally designed for outdoor application.



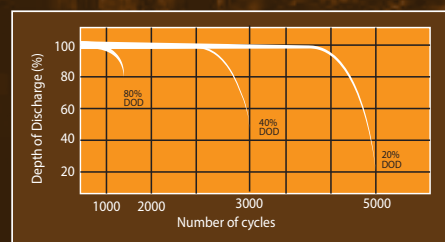
CHARGING CHARACTERISTICS OF SOLAR BATTERIES :

| Model Of Operation | Voltage setting per mono-block unit for ambient temperature 25-30°C | | Current Settings |
|------------------------|---|---------------|--|
| | 12V mono-block | 6V mono-block | |
| Float Voltage | 13.7V±0.1V | 6.85V±0.1V | Maximum - 20% of battery Ah capacity Minimum - 10% of battery Ah capacity |
| Bulk Voltage | 14.5V±0.1V | 7.25V±0.1V | |
| Low Voltage Disconnect | 11.1V±0.1V | 5.55V±0.1V | |

Temperature Compensation : (reference 25°C)
 Float : -18mV/°C/12Vunit
 Cyclic: -30mV/°C/12Vunit



CYCLE LIFE



TECHNICAL DATA

| Type of Battery | Nominal Voltage | Capacity@ C10 to 1.80 v.p.c at 27°C | Cell Weight | | Overall Dimension | | | Container Type |
|-----------------|-----------------|-------------------------------------|---------------------|------------------|-------------------|-----------|-----------|----------------|
| | | | Without Acid +/- 5% | With Acid +/- 5% | Length +/- | Width +/- | Hight*+/- | |
| | (V) | (Ah) | (Kg) | (Kg) | (mm) | (mm) | (mm) | |
| 6LMS20L | 12 | 20 | 12.0 | 18.0 | 260 | 172 | 240 | PPCP |
| 6LMS40 | 12 | 40 | 12.0 | 23.5 | 410 | 176 | 282 | PPCP |
| 6LMS40L | 12 | 40 | 14.0 | 26.5 | 410 | 176 | 282 | PPCP |
| 6LMS75 | 12 | 75 | 20.0 | 32.0 | 410 | 176 | 282 | PPCP |
| 6LMS75L | 12 | 75 | 22.5 | 42.5 | 530 | 220 | 287 | PPCP |
| 6LMS100L | 12 | 100 | 30.0 | 57.0 | 500 | 187 | 416 | PPCP |
| 6LMS120L | 12 | 120 | 31.4 | 48.5 | 530 | 220 | 287 | PPCP |
| 6LMS150L | 12 | 150 | 44.0 | 66.3 | 500 | 187 | 416 | PPCP |
| 6LMS200L | 12 | 200 | 54.0 | 78.0 | 500 | 187 | 416 | PPCP |
| 6LMS300 | 6 | 300 | 44.0 | 66.3 | 500 | 187 | 416 | PPCP |



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