

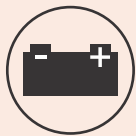


Solar Lead
Acid Tubular Battery

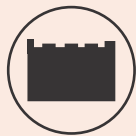
Solar Lead Acid Tubular Battery



PRODUCT FEATURES



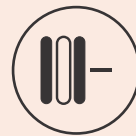
Available in
SOLA-TUBULAR
range



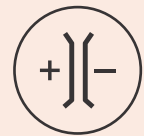
PPCE
Container



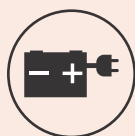
Tubular
Positive Plates



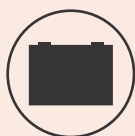
Pasted
Negative Plates



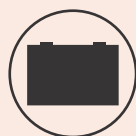
High porosity
Envelope
Separators



Microporous
Ceramic
Vent Plug



High tensile, acid
resistant Polyster
Gauntlets



Low resistance
Fasterers



Heavy duty
Terminal

TECHNICAL SPECIFICATION TUBULAR TECHNOLOGY

ICONE 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 which ensures void free orientation and can protect the plate support from anodic corrosion. This in turn ensures higher reliability and longer life. ICONE 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.

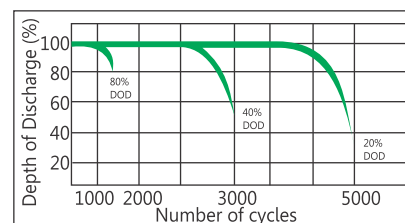
BENIFITS

- 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 us.
- 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
Bulk Voltage	14.5V ± 0.1V	7.25V ± 0.1V	Maximum - 0% of battery Ah capacity
Low Voltage Disconnect	11.1V ± 0.1V	5.55V ± 0.1V	

CYCLE LIFE



TECHNICAL DATA

Solar Batteries (IS)											
Battery Type	Spec	Capacity		Dimensions				Cell	Weight with Acid+Water	Terminal	Electrolyte
Battery Model		10 hr	5 hr	L	W	H	TH	Layout	Kg		Volume ltrs
ICTB 20	20 Ah	20	17	305	170	180	230	R	13.5	L - Type	6.4
ICTB 40	40 Ah	40	33	410	175	190	240	L	22.0	L - Type	9.6
ICTB 75	75 Ah	75	62	500	220	205	255	Layout 3	36.0	L - Type	15.3
ICTB 100	100 Ah	100	83	500	220	205	255	Layout 3	40.0	L - Type	17.0
ICTB 120	120 Ah	120	100	505	190	360	410	L	54.5	L - Type	21.0
ICTB 150	150 Ah	150	125	505	190	360	410	L	59.4	L - Type	19.8
ICTB 200	200 Ah	200	180	505	190	360	410	L	65.0	R - Type	21.0
ICTB 270	270 Ah	270	250	505	190	360	410	L	78.0	R - Type	24.0

Note: for expert we can provide 25Ah & 55 Ah also.

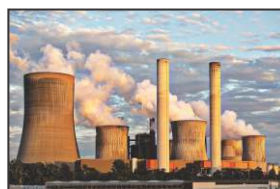
APPLICATION



Solar Home Lighting



Solar Street Lighting



Solar Photovoltaic Power Plants



Traffic Signalling