

Founded in 2006, Seva has established a long history in the manufacture and development of pattery Plates. As Seva grew, So did its product line, building a tradition of quality and durability. Specializing in Solar batteries and Solar Inverter with proven Tubular Technology. Seva has a modern well equipped plant and has a strong distribution network. We can Provide quality material in quick time. We can provide specific battery solution based on particular requirement. We can develop new models based on customer requirement and offer flexible & Quick delivery schedule.

Seva Batteries give excellent value by technical support, committed deliveries and total customer satisfaction. All Seva Batteries are tested for conformance to the relevant Bureau of Indian Standards Specification. Our Batteries are made for India with it's all weather enduring performance & temperature

resistance (-18°c to 55°c).

We believe in Quality, understanding and focus efforts on meeting the customer needs and exceed expectations.

We have adopted three in one approach to enjoy your patronage forever i.e. service, Quality and customer satisfaction.









## Features & Advantages

Electrolyte level Indicator-

Low Maintenance of Battery.

Ceramic Vent Plug-

Fitted with micro porous vent for least environmental pollution/less or no topping up

Low Resistance Enveloped Gloss met Fibber Separates.

High Porosity to ensure negligible resistance, and free circulation of Electrolyte

Protection-

The ultra polypropylene container provides Exceptional Protection with less bulk and weight as well as Heat - Resistant. The thin wall construction also increases electrolyte capacity.

High acid volume per amprere hour-

Acid volume per ampere hour is more than ordinary Batteries. It act as a coolant and also insures very low maintenance.

















#### Initial Charging Instruction

initial charging decides the life of the battery. Take utmost care to charge the battery initially strictly as per manufacturer's charging instructions.

- Filling in specific Gravity 1.210+0.0005 at 27°c
- Charging with green technology.
- Initial charging Current 3 amps to 7 amps.
  - Conditions of fully charged
  - a) 3 consecutive hourly readings of specific Gravity and voltage become constant.
  - b) Top of charge voltage will be around 14.8+15.1V
  - c) All cells should gas freely.
  - Specific Gravity at fully charged condition 1.240+0.0005 at 27°C

#### Note

Ensure that the Temperature of the electrolyte during charging does not exceed 55°C. If it exceeds, reduce the charging current or discontinue charging and resume charging when the temperature come down to 45°C.

#### Normal recharging instruction.

Charging at limit current upto 13.8V

#### Installation.

- Wooden or Rubber matting should be used for placing the Battery.
- 12V or 24V requirement 1 or 2 Batteries may be connected in series.
- Higher Current Requirement series parallel connection may be used.

This catelogue is issued to provide outline information only and is not deemed to form part of an offer of contract. Our policy is one of continues improvement and we reserve the right to change details without prior notice.

We make all type of battery as per your requirement.



# SEVÅ PRIME ENERGY PVT. LTD.

H.O.: 39, Bhairu Ji Nagar, Khirniyon Ka Bas, Near VKI Road No. 14, Over Bridge, JAIPUR

3.O.: Shri Ram Colony, Ward No. 18, Near Truck Union, NH-8, Shahpura, JAIPUR

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#### THE COMPANY

SEVA UDYOG is An ISO 9001:2008 Certified Company Solar is 13369:1992 Standard's (Govt Of India) M.N.R.E. Approved Shri Ram Colony, Ward No. 18. NH-8 Shahpura Jaipur The Company was incorporated in 20,06. Manufacturing, Solar Batteries Its An SEVA UDYOG Family & other group companies are engaged in Eco-Friendly and Environmentally Safe renewable energy solutions

SEVA UDYOG is a Loading Global Company dolivaning high quality power products for home and commensed application sal.

#### **SOLAR BATTERIES**

Seva solar flooded tubular manadle batteries are original to offer reliboble consistent and low maintenance power for renewable energy requirmenets, these batteries an be subject to deep cycle applications and minimummaintenance in. rural and power deticiat arean these batteries are available 12.volt from -100 ah to 200ah @ C-10at 27°c

Container and lids	Polyprolene co Polymer							
Saparator	Polyprolene envelope type							
Postive Plate	Tubular Type							
Negative Plate	Flat Pasted							
connectors	Through Partition Welding							
vent Plugs	PP with Float							
Sulphuric Acid	1.250 sp. Gravity When fully charged							
Self discharge when charged	3% per month @ 27°C							
Ah efficiency	Above 90%							
Wh efficiency	Above 78%							

### TECHNICAL SPECIFICATION FOR SOLAR BATTERIES

Model Name	Nominal Voltage	Capacity upto10.5@ 27 C	Length +/-3		Width +/-3		Total Height		Dry Weight +/-3		Filled Weight		Electrolyte Volume	
	V	Ah	mm	inch	mm	inch	mm	inch	kg	Ib	kg	Ib	kg	litre
ST-20	12	20	304.8	12.0	170.2	06.7	210.8	08.3	11.6	25.52	18.0	39.60	7.0	7.00
ST-40	12	40	417	16.4	178	7.00	244	9.6	14.2	31.24	24.0	52.80	10.0	8.30
ST-60	12	60	501	19.7	221	8.7	259	10.2				66.88		
ST-75	12	75	501	19.7	221	8.7				-	_	73.26		

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	V	Ah	mm	inch	mm	inch	mm	inch	kg	Ib	kg	Ib	kg	litre
ST-100	12	100	501	19.7	221	8.7	259	10.2	26.7	56.54	39.0	85.80	13.5	11.25
ST-120	12	120	501	19.7	221	8.7	292	11.5	29.5	64.90	45.0	99.00	16.0	13.30
ST-150	12	150	508	20.0	191	7.5	597	23.5	38.7	85.14	58.7	129.14	20.0	16.70
ST-200	12	200	508	20.0	191	7.5	597	23.5	50.2	110.44	69.2	152.24	19.0	15.80

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