


**INVA** *Safe*

*Safe & Stylish*



*Mera Inverter Maange Only* **INVA**

EXIDE  
INDUSTRIAL

Exide  600 & 800 sealed maintenance free VRLA batteries are product of in-house R&D of Exide Industries Ltd., the largest lead-acid battery manufacturer of India.

#### FEATURES:

- Sealed Maintenance free ● Free from Orientation Constraints ● Eco-Friendly ● Easy Handling and No Installation Constraints ● Ready to-Use
- Long Service Life ● Low Self-Discharge ● Excellent Charge Retention and Recovering Ability ● No Topping Required ● Non Fuming

#### CONSTRUCTIONAL FEATURES:

- Proved lead calcium tin grid alloy composition ● Unique active material based on tetrabasic paste ● High density AGM separator ● Usage of special grade silica reduces loss of water ● Rugged PP container ● High Reliability

#### APPLICATIONS:

Inverters / Home UPS



#### TECHNICAL SPECIFICATIONS

MODEL	Container & Lid	Container Colour	Nominal Voltage (V)	Capacity* in Ah	L ±1mm	W ±1mm	H ±1mm		Weight (kg) ±5%
							Height upto lid top	Overall Height	
INVASAFE 600	PP	Green	12	150	557	172	240	240	48
INVASAFE 800	PP	Green	12	200	533	250	240	240	65

\*At 27°C when discharged at C<sub>20</sub> upto 1.75vpc

#### BATTERY SELECTION CHART FOR INVERTERS

Electrical load	Recommended Home UPS/ inverter rating (VA)	Wattage	Battery Voltage	Back-up duration	
				4 Hrs.	2 Hrs.
2 fans + 1 tube light	250	200	12	IS 600	IS 600
2 fans + 2 tube light	400	320	12	IS 800	IS 600
3 fans + 3 tube light	600	480	12	2p IS 600	IS 600
			24	2s IS 600	2s IS 600
4 fans + 4 tube light	800	640	12	2p IS 800	IS 800
			24	2s IS 800	2s IS 600

Note : (1) Backup duration given are approximate. (2) p = parallel connection, eg. 2p IS 600 = 2 Nos INVASAFE 600 batteries in parallel. (3) s = series connection, eg. 2s IS 600 = 2 Nos INVASAFE 600 batteries in series. (4) IS600 stands for INVASAFE 600.

#### IMPORTANT NOTES

##### 1. Preferred Recharge Voltage through an Inverter / Home UPS:

- Step 1 Recharge to be done in Current limited – Constant Voltage mode. Recharge voltage to be maintained at 14.2 +/- 0.1V for a 12V battery.  
The limit current for INVASAFE 600 shall be 30A.  
The limit current for INVASAFE 800 shall be 40A.

- Step 2 Float Voltage to be maintained at 13.7 +/- 0.1V per battery, limiting current remaining at:  
30A for INVASAFE 600  
40A for INVASAFE 800

- Low voltage disconnect during discharge should be 10.8V for a 12V Battery.
- Daily cumulative recharge time available must be a minimum of 16 hours after each full discharge as above.
- The above recharge parameters are for an operating temperature range of 15°C - 35°C.
- Battery is guaranteed for a period of 12 months from date of sale. Any non-conformance to the above parameters will make guarantee void.
- At time of installation, if battery is more than 3 months old from the date of last charge or manufacture, a freshening charge needs to be given.
- For parallel and series strings make sure both units are from same months of manufacture.

#### Statutory Notice:

All batteries contain lead, which is harmful for humans and environment. As per statutory requirements, the used battery must be returned to the authorized dealer, manufacturer or at the designated collection centres.

Contact our Exide Powercentre  
Showrooms for Sales & Services



 is a product of ISO 9001  
and ISO 14001 certified factory

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PHX/IS 800 & 600/6K/06-2009

\*Applied for

[www.exide4u.com](http://www.exide4u.com)