



The smart gelled power solution

# SMARTHOG®

## Advanced gelled, Valve Regulated Lead Acid (VRLA) battery technology

The Smarthog® battery is the perfect no-hassle, no-spill, no-watering battery for any electric-powered vehicle in light to medium duty applications including AGVs, personnel carriers, pallet jacks, sit-down riders and narrow-aisle trucks. The industry's first 23" and 31" height, 80-AH and 120-AH gelled, VRLA batteries utilize proven IRONCLAD® technology, which causes gas to recombine during charging for minimal battery gassing under normal conditions.

## Sealed battery advantage

Available in a wide range of sizes to fit all electric lift trucks, Smarthog batteries are clean, safe and efficient. VRLA batteries reduce maintenance time and cost because there is no need to remove vent caps, add water or take hydrometer readings. Plus, there is no risk of damage or injury due to acid spills. At the end of the workday, simply connect the battery to your charger. That's smart.



*Legendary IRONCLAD® square tube technology plus the convenience of a gelled, no-watering battery.*

**IRONCLAD®**

**EnerSys®**  
Power/Full Solutions



# SMARTHOG®

## The IRONCLAD® Effect – More surface area means more power

The increased work capacity of Smarthog® batteries is the result of its unique square tubular positive plate design, an EnergSys® exclusive. Compared to conventional round tube and flat plate battery designs, IRONCLAD square tubes provide more surface area on the positive plate, which exposes more positive plate active material to the electrolyte. This combination of greater positive surface area and electrolyte provides higher sustained voltages throughout the discharge cycle.

Plus, Smarthog batteries are manufactured with sleeved separators which prevent misalignment and moss shorts. Intercell connector insulators add extra protection and dust-proof vent/filler caps cut down on battery maintenance.

### Backed by EnergSys®

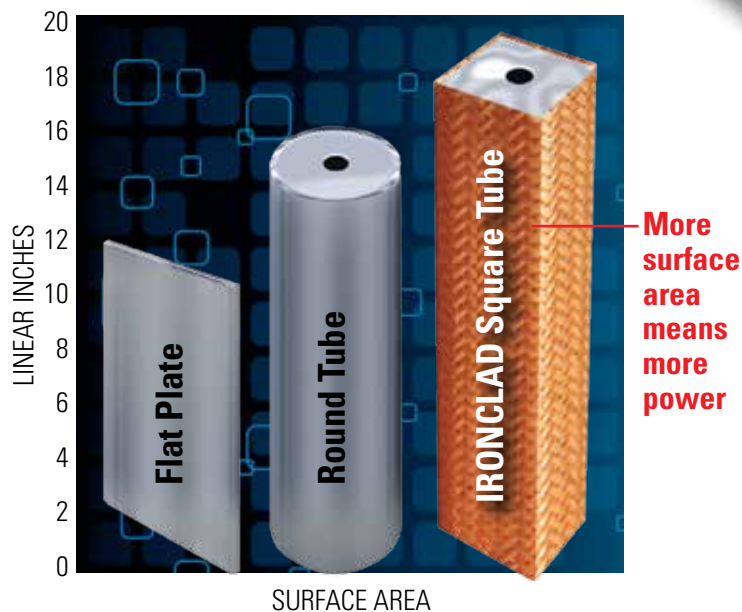
Smarthog batteries are backed by the largest and best company service and support team in the business – over 350 trained technicians staff a network of service locations and mobile vans across North America.

**Call 1-800-EnergSys to reach your local  
IRONCLAD® Representative.**

## Smarthog® – AH Data

Type	AH	Height*	Plates
E28S	28	11.06"	9-33
E45S	45	14.06"	5-33
E60S	60	18.44"	9-33
E80S	80	22.81"	5-33
E120S	120	30.56"	5-29

\*Maximum height measurement with no cover



**Exclusively Square**

**Exclusively Powerful**

**Exclusively IRONCLAD®**



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