



**IRONCLAD®:
THIS BATTERY
WILL CHANGE THE WAY
YOU LOOK AT ENERGY**

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**ONE EXTRA
YEAR
OF LIFE.**



**ONE EXTRA
HOUR RUN TIME
ON EACH
CHARGE.**

More power, longer run time and longer life...

IRONCLAD® is the battery to meet the demands of even the toughest, heavy-duty applications. The battery is designed with the proven EnerSys® square tube technology to deliver higher sustained operating voltages and rugged reliability for higher productivity and longer life. Whatever your motive power application, the heavier it is, IRONCLAD is up for the challenge.

More Power

IRONCLAD batteries maintain higher average voltages in forklift applications than conventional batteries. Higher voltages can result in faster drive and lift speeds. Plus, the IRONCLAD battery has the highest ampere-hour capacity ratings. IRONCLAD batteries outperform other batteries with up to **15% more power**, particularly at the higher discharge rates demanded by modern AC drive trucks.

Maximum Run Time

In order to maintain a lift truck's constant drive and lift performance throughout a shift, the motor must offset a battery's normal voltage drop during discharge by drawing more and more amps. The IRONCLAD battery's ability to sustain higher voltages, combined with industry leading capacity ratings, will extend the run time when compared to other conventional lead-acid battery design. Your material handling equipment will run for longer on each charge, therefore, maximizing your productivity.

Longer Life

IRONCLAD batteries have been manufactured by EnerSys and used in North America for 100+ years. They have proven themselves to be reliable, rugged performers in tens of thousands of applications and work environments. Thanks to their unique square tubular, positive plate design using Cladex tubing, these batteries can run with higher specific gravities, which, not only increase the power and run time but also lead to a longer service life. IRONCLAD has a design life of 1,800 cycles, which equates to an extra year of life in many applications.



and saves you money.

Reduced Maintenance and Operating Costs

While the IRONCLAD battery is boosting productivity, it is also cutting costs. Ironclad batteries can help decrease expensive truck maintenance because the higher sustained voltage and lower amp draw reduces heat and strain on the truck's electrical components. This means your trucks not only perform better during the shift, but also run longer before battery change is required. Fewer battery changes mean more productive time for your trucks. And the savings add up through fewer spare batteries, fewer chargers, fewer charging racks required to run your operation.

The IRONCLAD® Effect

More surface area means more power. The increased work capacity of IRONCLAD® batteries is the result of its unique square tubular positive plate design, an EnerSys® 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. In addition, IRONCLAD batteries are manufactured with sleeved separators which prevent misalignment and moss shorts. Fully insulated flexible inter-cell connectors add extra protection and the dust-proof, single-point filling system reduces topping-up time and cuts down on battery maintenance. The range of IRONCLAD batteries is particularly suited to heavy-duty applications or situations where you want to achieve longer truck run times to avoid using spare batteries. Cells rated from 276 to 1380 Ah,

IRONCLAD batteries are available in sizes to fit vehicles from small pallet trucks up to large forklift trucks.

Type	Ahs C5	Length mm	Width mm	Overall Height mm	Weight kg
2PzQ276	276	47	198	600	15,1 +/-5%
3 PzQ414	414	65	198	600	21,5 +/-5%
4 PzQ552	552	83	198	600	27,9 +/-5%
5 PzQ690	690	101	198	600	34,3 +/-5%
6 PzQ828	828	119	198	600	40,7 +/-5%
7 PzQ966	966	137	198	600	47,1 +/-5%
8 PzQ1104	1104	155	198	600	53,5 +/-5%
10 PzQ1380	1380	192	198	600	66,3 +/-5%

Type	Ahs C5	Length mm	Width mm	Overall Height mm	Weight kg
3 PzQ516	516	65	198	750	27,0 +/-5%
4 PzQ688	688	83	198	750	35,0 +/-5%
5 PzQ860	860	101	198	750	42,9 +/-5%
6 PzQ1032	1032	119	198	750	50,9 +/-5%
7 PzQ1204	1204	137	198	750	58,9 +/-5%
8 PzQ1376	1376	155	198	750	66,9 +/-5%

**MORE SURFACE
AREA
MEANS MORE
POWER**

