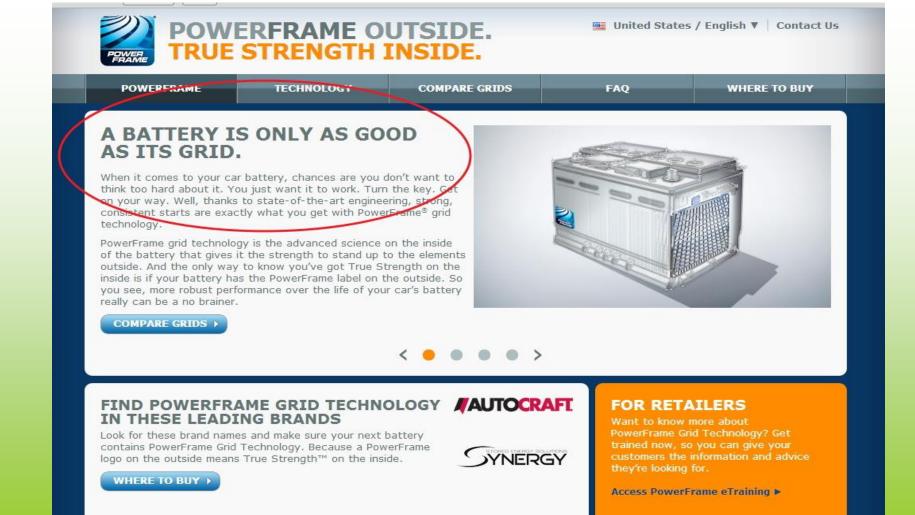


Battery system of the FUTURE

dr. Mészáros Tamás 2024



PowerFrame

Technology Co

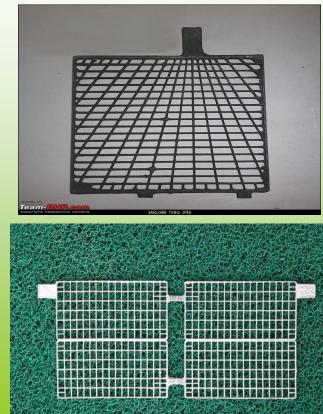
Compare Grids

FAQ Where to buy

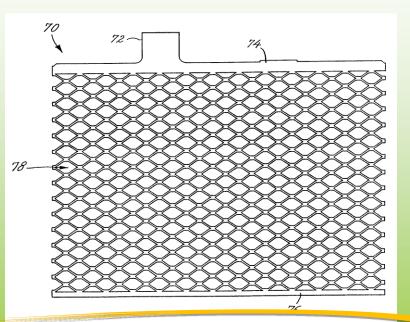
Contact Us

Classic grids

Casted grids

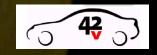


Expanded grids



The grids are determined in form and materials by the used technologies







What is different?

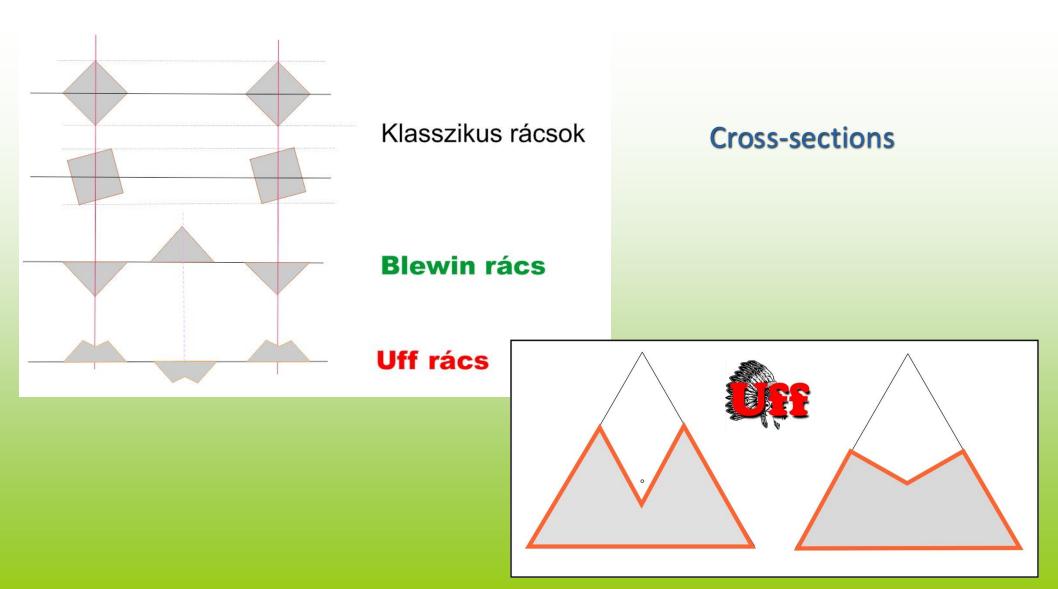
Physical evidence:

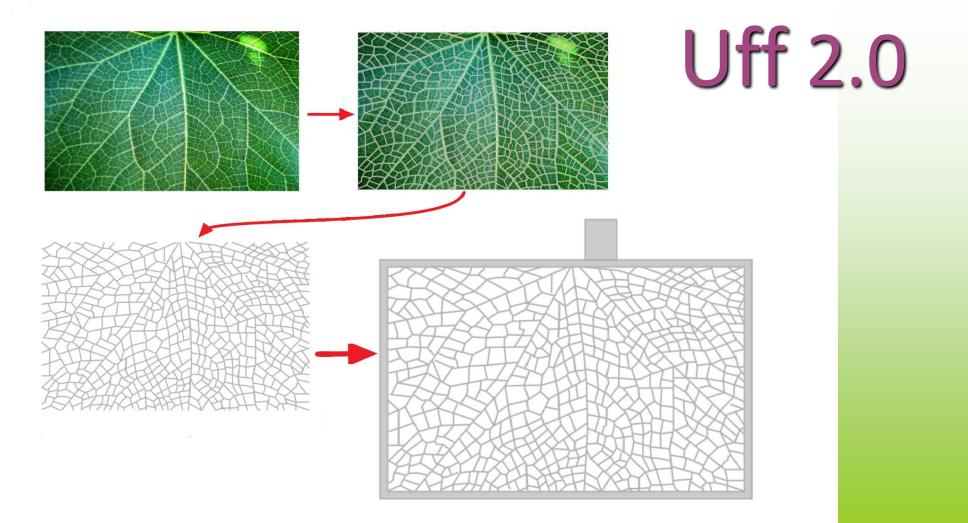
Electrochemically active surface > cold resistance	+++	bigger	
Resonance resistance		+++ bettee	
Weight			lower
Mass retention		+++	better
Internal resistance > faster charging		lower	
Current paths		+++	optimal
Lead alloy of choice - up to pure lead	++	+ free	

Production technology

Productivity	+++	higher
Efficiency (Energy!)	+++	better
Recyclability	+++	easier & cheaper
Value for money	+++	economical
Enviromental-friendly	+++	top clean

Note: The product can be integrated into the production schedule of all battery factories





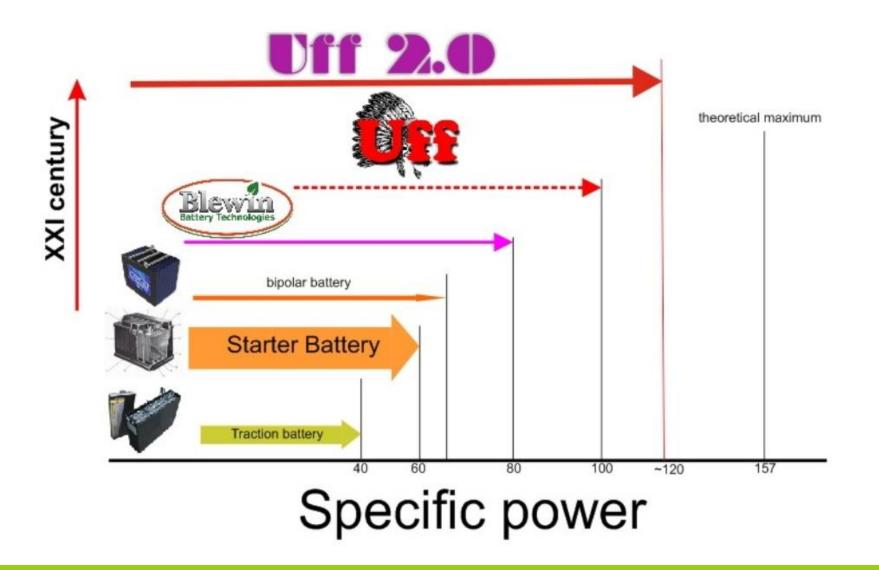
Let's look at interesting numbers and facts

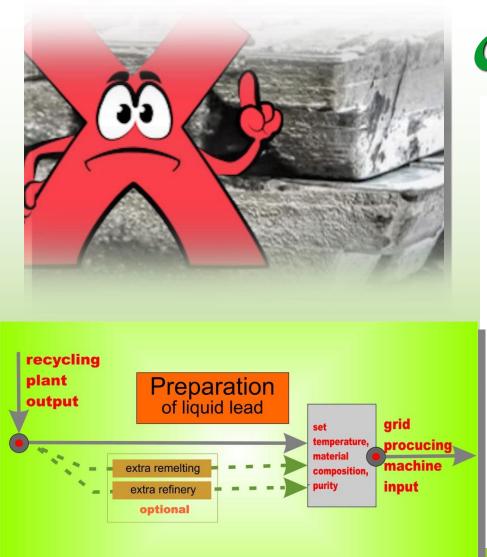
Lead savings on an average battery	%	kg	\$
Blewin system	20 ~ 35	2,5 ~ 4,5	5,5 ~ 8
Uff Solution	35 ~ 45	4 ~ 6	5~11

Energy requirements for lead processing are 20-30 % lower Minimal lead vapour emissions, radically less environmental impact

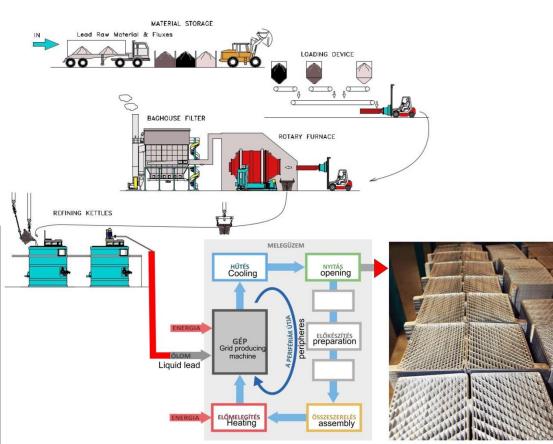
All other BESS have an initial investment value at least 30 % higher

Optimal energy source for MHEV mobility and BESS





Green Lead Project 2021



2022, USA 1,85 Mmt recicled lead > 1 Mmt ton lead for battery industry

25 ~ 40 million pieces lead-ingot > 100 483 200 000 kJ energy loss

~ 28 million kWh

Hoover Dam output power 2078,8 MW

sustainable development circular economy environmental awareness

