

Formation of battery cells

How much energy you save
with the right contacting



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ingun.com/battery

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The innovative contacting solutions from INGUN accelerate the formation process and reduce energy consumption. Thanks to specialised tip styles and high contact forces, contact resistance is minimised, enabling higher currents and faster charging and discharging cycles. Our probes are specially designed to reduce contact resistance and minimise

temperature development - perfect for energy-efficient battery cell formation.

*What is the actual savings potential with INGUN components?
Our calculation example provides the answer.*

	Conventional contacting	INGUN solution
Probe used for formation		
Power loss during charging (watts)	5.33	4.00
Power loss during discharge (watts)	12.00	9.00
Savings (watts) (charging/discharging 50:50)	$\frac{(5.33-4.00)}{2} + \frac{(12.00-9.00)}{2} = 2.165$	
64 batteries per unit (watts)	$2.165 \times 64 = 138.56$	
With an assumed 200 units per hour (watts)	$138.56 \times 200 = 27.712$	
Savings per day (kWh)	665.09	
Annual energy-saving potential (kWh)	242.757.12	

The probes in the BCP and BCC series, which are optimised for battery contacting, offer considerable savings potential: with the daily formation of 200 units with 64 battery cells each, **up to 240,000 kWh per year** possible.

Do you have any questions about this calculation example, or would you like to discuss a specific application?

Our battery experts will be happy to assist you!



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