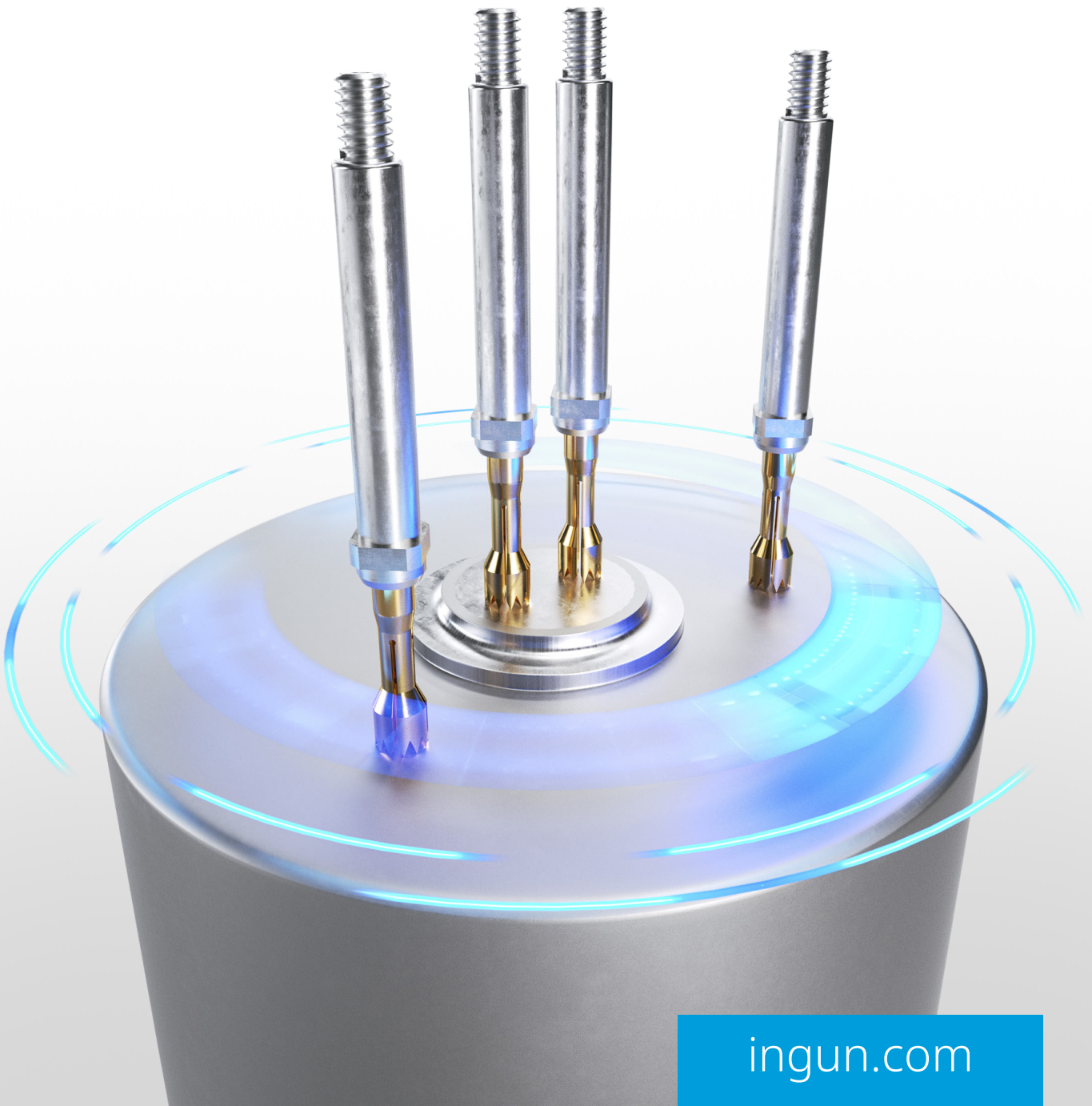
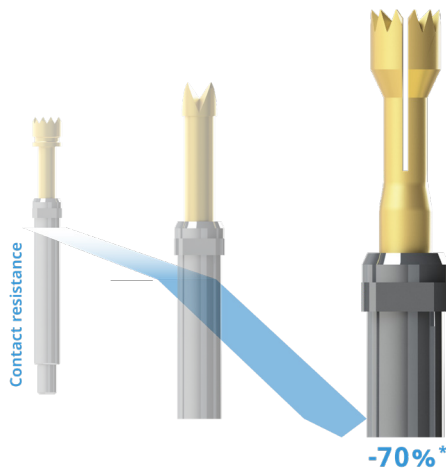


Battery probe for oxidised surfaces

Low contact resistances to
save energy



Saves electrical resources



- Penetration of oxide layers
- Reduced contact resistance
- Energy-saving design
- Outstanding signal stability

The HSS-667 sets new standards for highly efficient battery production. The low resistance of this contacting solution on oxidised surfaces and the resulting energy efficiency enables significant cost savings in the battery production process. The focus is on the combination of oxide layer penetration integrated into INGUN's well-

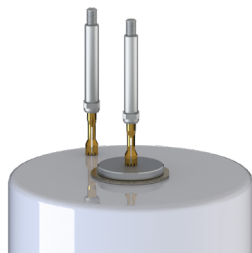
established test probe design. As a result, the lowest contact resistances can be consistently ensured, even on oxide layers, and the process stability can be significantly improved. The dimensions of the HSS-667 are equivalent to those of the HSS-120 series.

Product & applications:

HSS-667

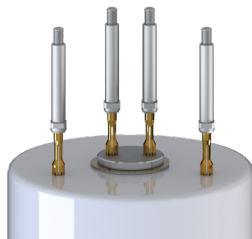
Single

30 A

$$R_{\Sigma 1}^{**} = 4 \text{ m}\Omega$$


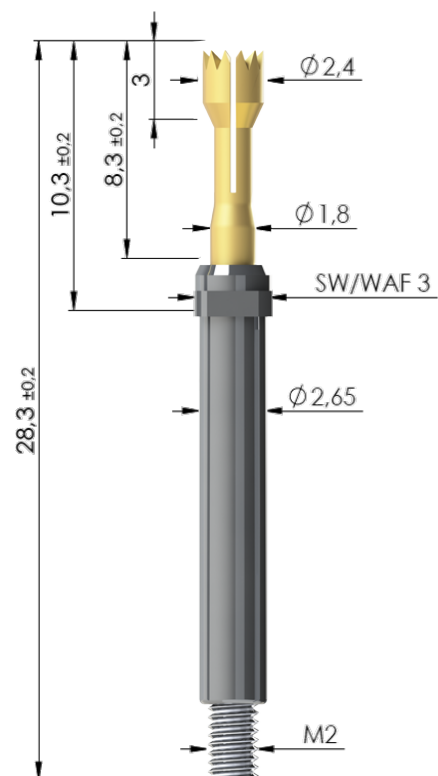
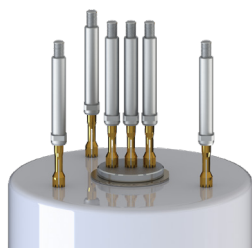
Double

60 A

$$R_{\Sigma 1^{**}} = 2 \text{ m}\Omega$$


Triple

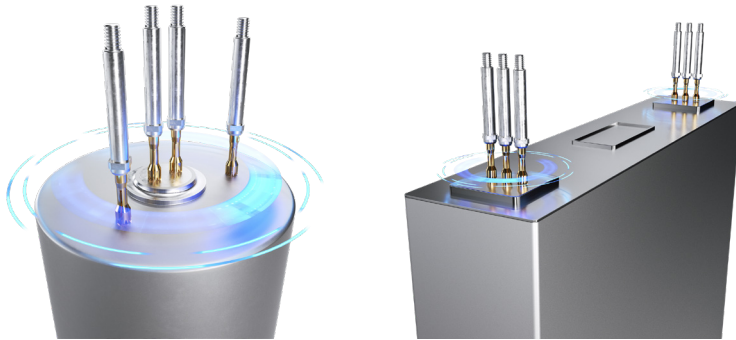
90 A

$$R_{\Sigma 1^{**}} = 1.7 \text{ m}\Omega$$


**The resistances are calculated from the parallel connection of the individual probes for each battery pole.

Battery probe HSS-667

Applications

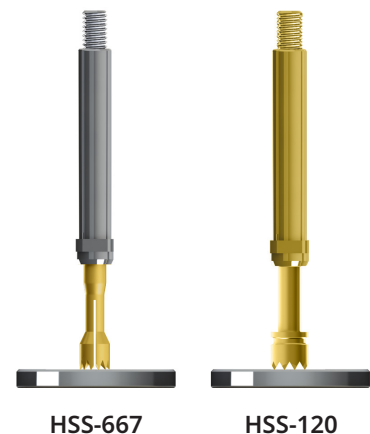
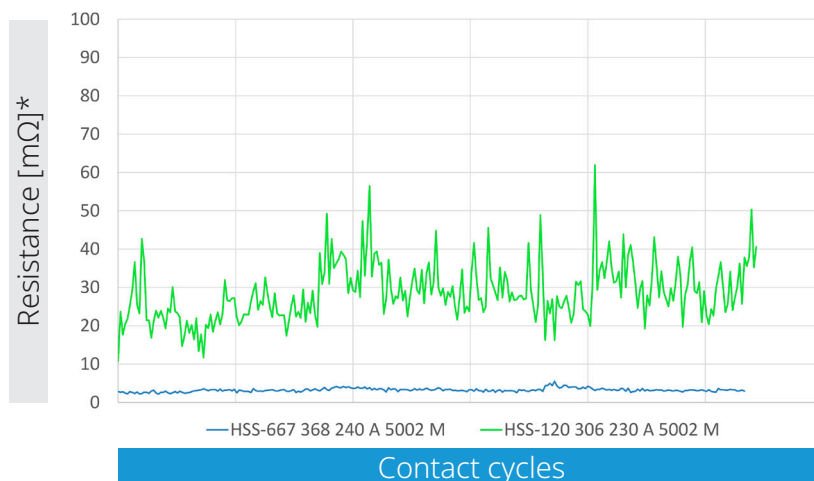


- Battery formation
- Cell-cycling and EOL test
- Charging/discharging
- Impedance measurement (AC/DC-IR)

Developed for contacting cylindrical and prismatic battery cells, the HSS-667 probe is the efficient contacting solution for essential process steps to determine quality during cell production. These include formation, DC/AC impedance measurement, cell cycling, charging and discharging processes, and end-of-line testing (EOL).

The patented contacting mechanism ensures the lowest and most constant contact resistance on the oxide layers of the aluminium anodes and copper cathodes. The HSS-667 guarantees reliable, durable contacting of battery cells.

Resistance over contact cycles on aluminium surface



Ordering example

	Series	Tip material 2 = steel, 3 = CuBe	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)	Type
Test probe	HSS-667	3	68	240	A	50	02	M
Receptacles	KS-113 30 M2-T / KS 113 30 M2 / KS-113 30 M2-R / KS-113 30 M2-R-S							



Buy online today
The new
HSS-667

*Tested under laboratory conditions. The values may vary in use as well as in series production due to varying DUT properties.



Partner for Future Technology

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