



SCALE INSIGHTS

HOW CAN V2X CHARGING HELP IN POWER OUTAGES?

www.scale-horizon.eu



Funded by
the European Union



THE STRUGGLE FOR RELIABLE ELECTRICITY



In many parts of the world, especially in the Global South, communities grapple daily with the challenge of accessing reliable electricity. While some nations flourish, others are plagued by energy shortages and persistent blackouts. This energy injustice impacts millions, hindering opportunities, safety, and progress.

News from around the globe underscores a growing crisis: continuous blackouts, power cuts, and energy emergencies are becoming commonplace for millions.

Urban centers often receive the lion's share of electricity, leaving many rural communities frequently facing power outages or entirely disconnected from the grid.

But what if we could alter this scenario? Imagine a future with smarter, more resilient energy solutions!



FEATURING EV AS A POWERHOUSE ON WHEELS

The Reliance on Solar Power and Its Limitations

Without grid access, these rural areas depend solely on small-scale solar power solutions to meet their basic needs. Unfortunately, this is not a dependable solution — inclement weather, like rain, can severely limit the power solar panels can provide. For numerous rural families, even simple evening activities hinge on an unstable power supply.

A Smarter Solution: Vehicle-to-Grid Technology

Imagine if vehicles could do more than just transport us. What if they could supply power to homes, ensuring that essential lights stay on? Vehicle-to-Grid (V2G) technology offers a smarter, more resilient energy solution, paving the way for a more equitable and reliable power supply.

