THE MOBILITY HOUSE »»»

Automated load management for electric vehicle charging

Automated load management (ALM) is the use of software or other behind-the-meter technologies to strategically share charging capacity across multiple charging ports at the same charging site, helping safely connect multiple charging ports whose total nameplate load would otherwise exceed the rated capacity of the customer connection. By using ALM, customers can avoid or defer the need to upgrade certain distribution system infrastructure to accommodate the new EV charging load.”

– Definition from the Vehicle-Grid Integration Council (VGIC)

ALM can allow fleet operators to install their first phase of charging infrastructure immediately, even while they are waiting on the utility upgrades that will enable future phases of expansion. For large EV installations especially, ALM allows the nameplate capacity (calculated as the sum total of the max possible load) of installed chargers to exceed site connection limitations and thereby, in some cases, mitigate the need for infrastructure upgrades, saving time, money, and materials.

For more information on ChargePilot® and ALM, please contact The Mobility House at US-Sales@mobilityhouse.com, or call +1 (650) 232-4200

Download our technical guide