

DOCKETED

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New and emerging charging standards for heavy and medium duty EVs

Charging infrastructure for heavy duty EVs will be moving to emerging SAE system standards:

3 phase AC according to SAE J3068 (products available now) at 480 VAC in about 85% of industrial and heavy commercial locations (or 208 VAC in light commercial areas)

DC charging at more than 1000 amps and up to 1250 VDC according to SAE J3271 (under development, also known by the Charge trademark of "MCS" meaning MegaWatt Charging System)

Many Heavy Duty and most Medium Duty EV applications can see cost benefits from charging at "over-night" power levels. Charging as slowly as improves grid stability and AC EVSE are much less expensive.