Dynamic load balancing FAQ

No.	Question	Answer
1.	How TeltoCharge sets maximum charging power when 3-phase charging is enabled?	TeltoCharge checks which phase is loaded most, measures how much free current is available, and sets that current.
2.	Can I use simplified charging sequence with Dynamic load balancing.	Yes, there is possibility to use both features together, but there are some limitations which are regulated by the standard (IEC 61851-1 / SAE J1772): 1. Maximum charging current is only 10 Ampers. 2. Possible to use only 1-phase charging.
3.	Can I use 3-phase smart meter for single phase charger?	Yes, there is possibility to use 1-phase charger with 3-phase smart meter. Please refer to the Energy meter instruction sheet to configure it properly. It is required to select single phase meter in the TeltoCharge application settings.
4.	Does Load balancing limits Dynamic load balancing?	Yes, if dynamic load balancing is enabled and user want to achieve maximum charging power without any other limitations except form smart energy meter. Load balancing should be set to the maximum value.
5.	If "*use preferred phase*" is enabled, can charger automatically change phase?	Yes, If TeltoCharge detects that prioritized phase is loaded and the maximum current it can give is 7 or less ampers, charger will make a check If other phases are loaded less: • If there is other phase which is loaded less, charger will change charging phase. • If other two phases are loaded as well, charger will stop charging process.
6.	How TeltoCharge prioritizes phases when phase priority is disabled, TeltoChagre connected to three phases and three phase charging is disabled? /	Charger checks which phase is least loaded and selects that phase as a charging phase. If during charging process any of other two phases load decreases and the maximum available current will be 5 amperes higher then the charging phase, TeltoCharge will change charging phase to the least loaded. 1