

I. Charging function

Charging function allow vessel operator to recharge batteries while sailing or using other propulsion on the boat (hybrid system). *NOTE: E-Tech drives cannot be operated as generators and propulsion at the same time.*

To start charging batteries using E-TECH drives as generators, please follow this steps:

- move throttle to neutral position,
- turn ignition key to ON position,
- turn ON charging switch (indicator light will appear when ON)¹,
- when indicator light will appear and charging switch is in ON position move throttle forward slightly to start charging. When charging started please move throttle back to neutral position. (NOTE: throttle position is not related to charging power! Throttle needs to be slightly forward to start charging only, pushing throttle to maximum position will not increase charging performance. *Maximum forward throttle position might be dangerous for operator. If charging switch will be turned OFF unintentionally motor will start working as a propulsion*),
- good job! Your batteries are charging².

!DO NOT TURN OFF CHARGING FUNCTION WHEN THROTTLE IS NOT IN NEUTRAL POSITION!

To stop charging batteries using E-TECH drives generator function, please follow this steps:

To stop charging temporarily:

- to stop charging temporarily you can move throttle slightly backward and move it back to neutral position. Motor will stop charging the batteries. To start charging again please move throttle forward slightly to start charging. When charging started please move throttle back to neutral position.

To stop charging:

- check if throttle is in neutral position, if not please change it to neutral,
- turn charging switch into OFF position,
- good job! Your E-TECH drives is ready to work as propulsion system.

Charging function should be turned OFF when batteries are fully charged, otherwise E-Tech controller will turn OFF itself showing OVERVOLTAGE error.

If propeller makes too much drag while charging function is ON please adjust "BRK_SW Brk Per%" using Kelly app for more information contact E-Tech or check Controller manual.

¹ Charging switch is ON or OFF position, switch will stay in desired position until switching it ON or OFF again.

² Charging performance is only related to propeller RPM (not throttle position).

DO NOT MAKE ANY CHANGES IN CONTROLLER PROGRAM WHILE THROTTLE IS NOT IN NEUTRAL POSITION AND/OR WHEN MOTOR SHAFT IS TURNING (ALSO WHILE SAILING OR USING DIFFERENT PROPULSION SYSTEM)