CurrentⒸⒹS

Partnerships & License Right

The Current OS protocol defines DC (direct current) microgrids with a native opportunistic behavior. It allows us to achieve the energy transition goals we, as a society, have set for ourselves. The Current OS Foundation assures the availability of this open protocol to any product manufacturer.

We distinguish 3 different product groups and for that also 3 different partnerships and access to license rights:

Bronze partnership: for partners aiming to manufacture simple loads such as (but not limited to) loads in zone 3 and 4 with limited impact on system stability, Precharge Box, Variable speed drives without reverse power. For these bronze partners license rights include:
- Operating voltages, limits, EMC.
- Pre-charge, disconnect, ride through.
- Prioritization services based on on/off thresholds (level, offset, calibration).
- Communication Modbus / basic status

Silver partnership: for partners aiming to manufacture any kind of loads. Including loads with impact on system stability, Secondary power sources, Managed bidirectional systems such as batteries or car chargers, advanced Pre-charge Box, Variable speed drives without reverse power. For these Silver partners license rights include:
- Operating voltages, limits, EMC.
- Pre-charge, disconnect, ride through.
- Prioritization services based on on/off thresholds (level, offset, calibration).
- Communication Modbus / basic status
- Passive Safety Wire,
- Sources with converters paralleled.
- Unidirectional over current and short Protection for PV sources below 10 A.
- Linear droop.
- Node voltage calibration. (*)

Gold partnership: for partners aiming to manufacture Protection devices, Black start devices, Stability devices, any kind of bidirectional including unmanaged such as Variable speed drives with reverse power, robots, CNC…, any kind of loads and sources including grid stability features.
For these Gold partners license rights include:
- Operating voltages, limits, EMC.
- Pre-charge, disconnect, ride through.
- Prioritization services based on on/off thresholds (level, offset, calibration).
- Communication Modbus / basic status
- Passive Safety wire,
- Sources with converters paralleled.
- Node voltage calibration. (*)
- Full safety functionality above 10 A. (*)
- Tripping criteria (earth fault, arc, bi-directional protection). (*)
- Linear and non-linear droop response. (*)
- Active Safety Wire: input and control and feed. (*)
- Black-starter (*)

Annual fees, which depend on the type of partnership required, as well as guidelines for carrying the Current OS Symbol and Logo on products, packaging, drawings, brochures etc., can be found on our website (www.cos.foundation).

(*) Description as well as license rights to this IP field will be added in the course of 2021-2022. The technical committee aims to have manuals available for all types of partnerships. Priority is given to preparing the manuals for bronze and silver partnerships.