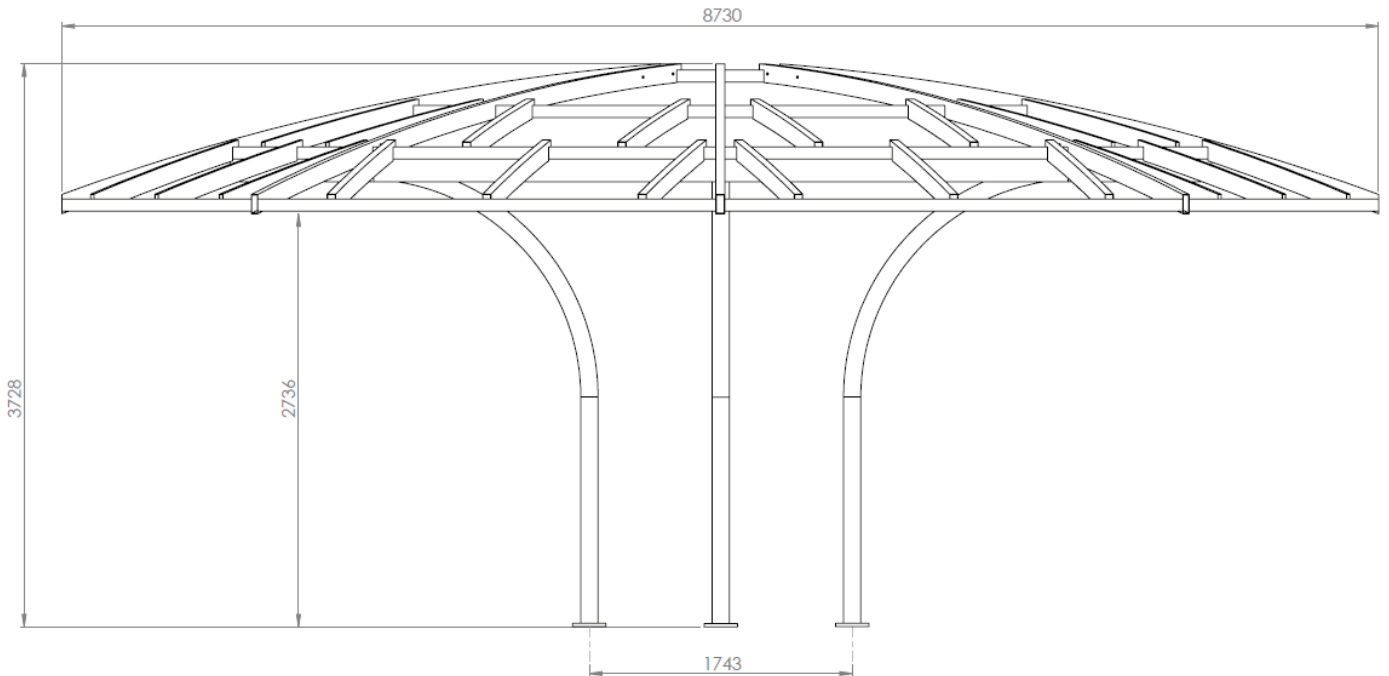
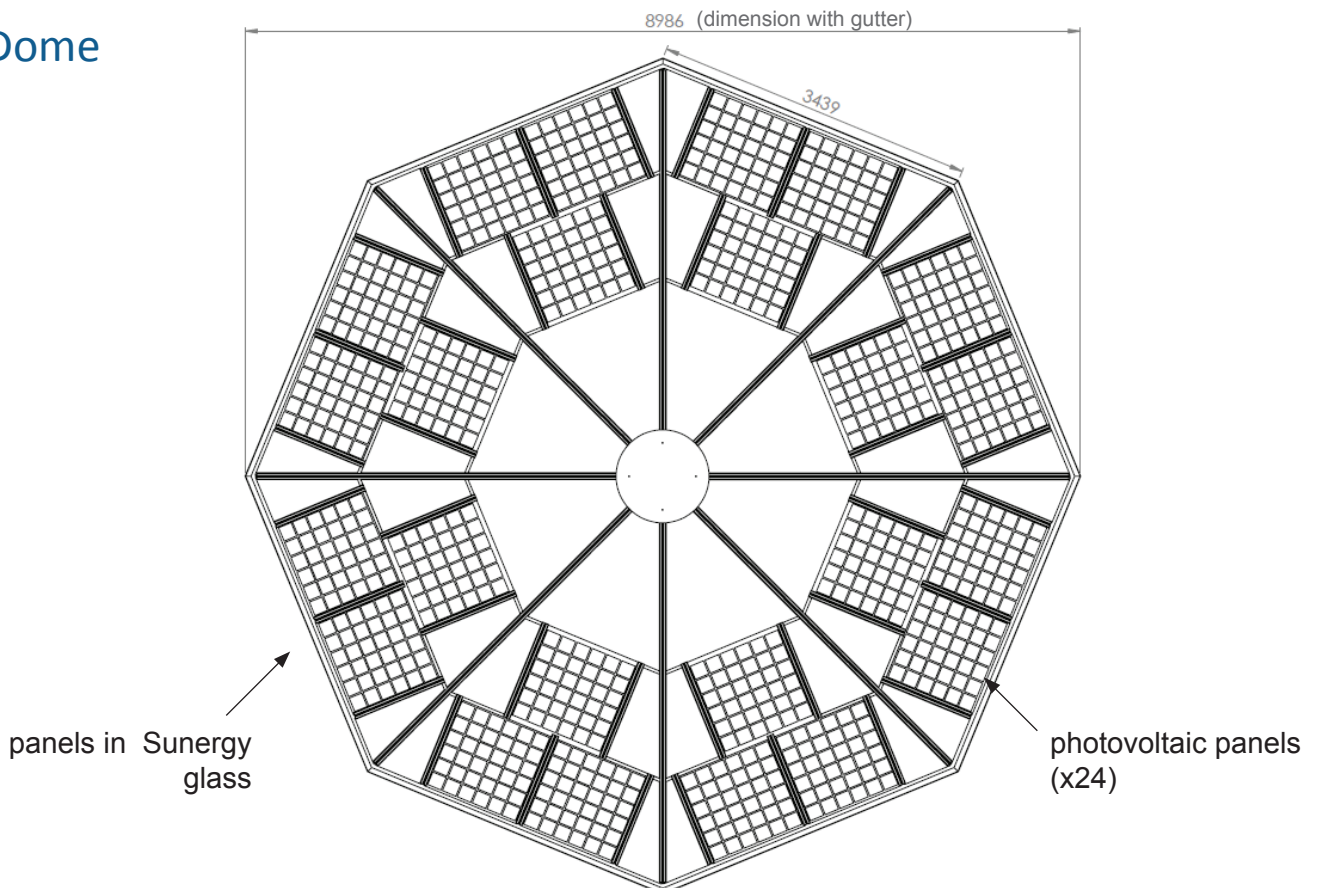


### Steel structure



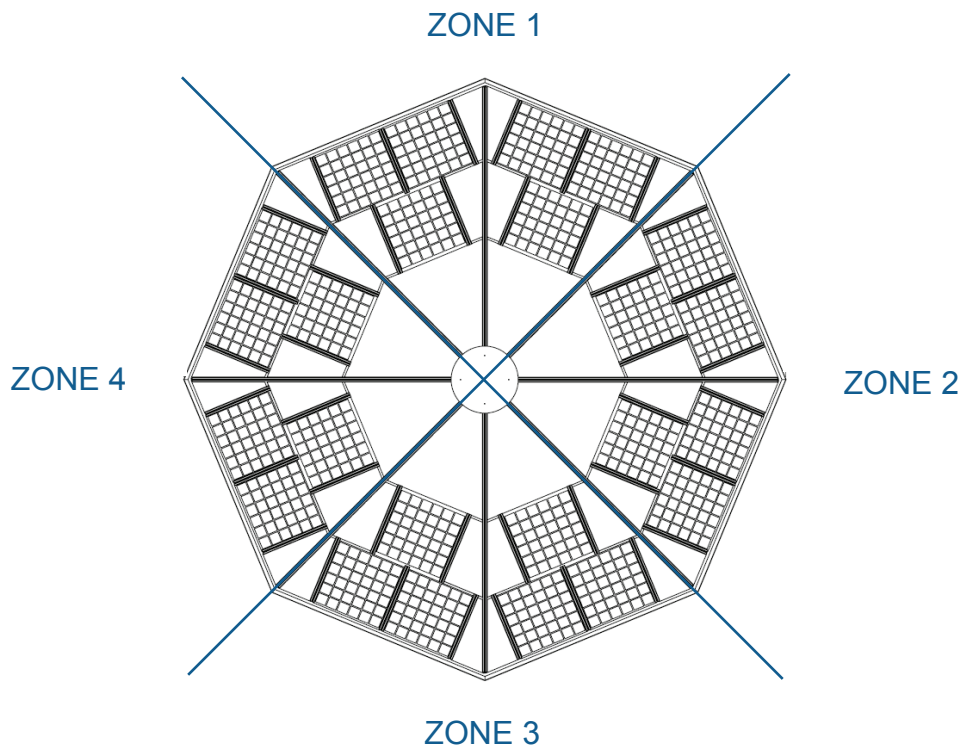
front view

### Dome



Top view

## Photovoltaic modules connection



The dome is compound of 24 photovoltaic panels with a power unit of 155 Wp (Watt pico), and thus a global power of 3 700 Wp.

To optimize the annual electricity generation that depends on sunlight on the Kiosun, the photovoltaic modules are divided into 4 autonomous zones on which sunlight is considered homogeneous.

The 6 photovoltaic panels of each area are connected to an inverter of 1 kWp. Thus, each zone is autonomous and generate electricity maximally, without being limited by the generation of another zone less sunny.

The photovoltaic structure is compound of :

- 24 2ES photovoltaic modules divided into 4 zones of 6 modules,
- 4 inverters of 1 kW : one inverter per zone,
- 1 electrical box DC/AC,
- 1 battery (in option)

The 4 inverters are connected to the DC/AC electrical box itself connected to the general electrical system.