

# Sagnac type Entanglement photon pair generator

## For telecom wavelength



Fiber-in type

**EPS-SN $\alpha$  series**  
Sagnac type module



## Quantum polarization-entangled photon pair generated by SPDC.

### Features

- ✓ Portable unit
- ✓ Sagnac configuration is integrated
- ✓ Split balance to Sagnac interferometer is adjustable by user
- ✓ Both CW/Pulsed input are available

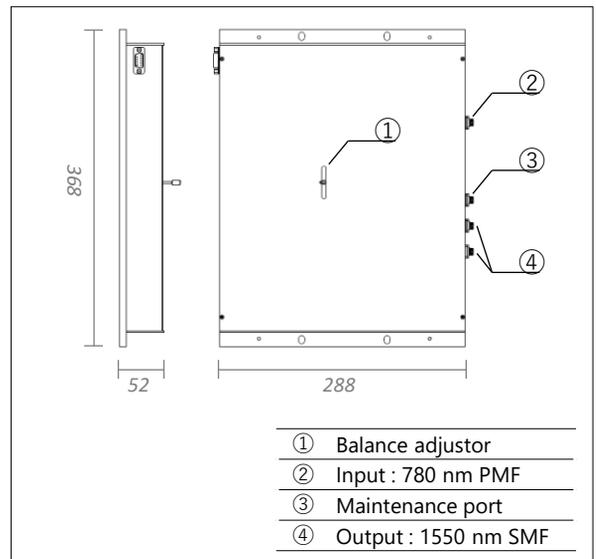
Users can optimize balance of coincidence/Fidelity by adjusting optical parameters. (input/output power, Sagnac balance, NLO condition.)

### Spec example

EPS-SN $\alpha$	
EPS scheme	Sagnac
SPDC device	PPLN waveguide
Input	780 nm PM Fiber
Output	2 ports (1550 nm SMF)
Size	368 x 288 x 52 mm Not including protrusions

Specification and its performances are depended on the input light source and output entanglement photon pair.

### Exterior view



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