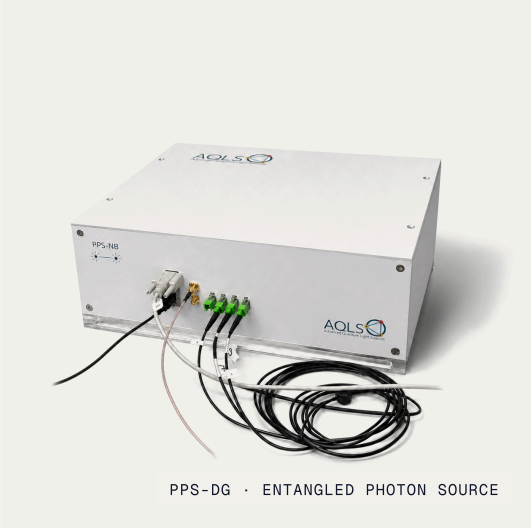
AQLS



PPS-DG · ENTANGLED PHOTON SOURCE

— ENTANGLED PHOTON SOURCE

Narrow-band photon pairs, ready for fibre.

The AQLS source produces narrow-band entangled photon pairs at customisable wavelengths, including both degenerate and non-degenerate combinations. **It is compatible with the AQLS quantum memory.**

Cavity-enhanced spontaneous parametric down-conversion in monolithic ppKTP resonators combines high performance with robust, room-temperature operation.

Customisable wavelength	100 MHz photon bandwidth
More than 100k pairs per second	Tuning range above 10 GHz
Heralding efficiency up to 75%	Room-temperature operation
PM fibre coupling	Time-bin or polarisation entanglement