Herein we propose a compact CdTe based hard X-ray polarimeter with spectro-imaging capabilities optimized for solar physics, merging the solar physics expertise of Chinese partners with the high energy instrumentation experience of European partners for a common goal. Measuring the continuum emission polarization will allow establishing important constraints on the emission models. For example, the bremsstrahlung radiation could be probed by polarization. Furthermore, pion decay models are not likely to be compatible with a high degree of polarization measured. Therefore, solar polarimetry in the 100 keV to 1 MeV energy range might be an exceptional breakthrough for solar physics, opening a new window to interpret solar flare dynamics.