

# Translations:Chauffe eau solaire/43/en

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In the middle of winter, in France, the sun has a zenith at  $30^\circ$  with the horizon, this is its maximum height. In summer, at the same latitudes, it rises to  $60^\circ$ . Ideally, the panels will be installed perpendicularly to the winter sun rays, so  $90^\circ+30^\circ=120^\circ$ . They form a  $120^\circ$  angle with the horizon, south oriented (see scheme) . Otherwise, to limit the losses, one can put them vertically against a wall, it is more interesting and less dangerous than on roofs.