$LW_{sky}^{\downarrow}$

$SW_{sky}^{\downarrow}$

$LW_{sky}^{\downarrow}$

$SW_{panel}^{\uparrow}$

$LW_{panel}^{\uparrow}$

$LW_{panel}^{\downarrow}$

H

Solar panel

E_{prod}

$SW_{roof}^{\downarrow}$

$LW_{roof}^{\uparrow}$

$LW_{roof}^{\uparrow}$

$LW_{roof}^{\downarrow}$

roof