



















## NOMENCLATURE

$c_1$	Collector's coefficient ( $W/m^2 K$ )
$c_2$	Collector's coefficient ( $W/m^2 K^2$ )
$C_L$	Cooling load (kW h)
ETC	Evacuated tube collector
$f$	Solar fraction
FPC	Flat plate collector
$H_L$	Heating load (kWh)
PE	Primary energy (kW h)

PTC	Parabolic through collector
SHC	Solar heating and cooling system
$S_{rt}$	Solar radiation on tilted surface (kW h)
$T_{hs}$	Thermal load required (kW h)

### Greek symbols

$\eta_0$	Collector's efficiency
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