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NOMENCLATURE

m'_p	mass flow rate, kg.s
c	specific heat, J. kg ⁻¹ . K ⁻¹
T	temperature, K
A	area of the solar panel, m ²
G	irradiance, W.m ²
\dot{Q}	heat flux, W
E	energy, kWh
SCOP	dimensionless seasonal coefficient of performance
$S\eta$	dimensionless seasonal efficiency

Greek symbols

τ	time, s
η	dimensionless efficiency

Subscripts

p	panel
HP	heat pump
PV	photovoltaic
Th	thermal
el	electric
sol	solar
consump	consumption
work	working period