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NOMENCLATURE

DHW	domestic hot water
EP	energy performance, kWh m ⁻² a ⁻¹
EPBD	energy performance of buildings directive
EPC	energy performance certificates
fp	primary energy factor
PV	photovoltaic
Q	thermal energy
RES	renewable energy source
SP	simple payback time
ST	solar thermal
UTZ	unconditioned thermal zone

Greek symbols

η	Utilization factor, -
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Subscripts

C	cooling
del	delivered
exp	exported
gl	global
H	heating
int	internal
L	lighting
nd	need
nren	non-renewable
ren	renewable
sol	solar
T	transport
tr	transmission
V	mechanical ventilation
ve	ventilation
W	hot water