PASSIVE SOLAR HEATING ENERGY FROM THE SUN
Excel Method by Sun Plans - Use SHGC (solar heat gain coefficient) for glass only, not entire window.

SOLAR ENERGY THROUGH SOUTH GLASS
Excel tool developed by Sun Plans
- Enter latitude, direction south wall faces and information from south wall detail.

ZEROs DESIGN TOOL
http://buildequinox.com/zeros/
(South glass example: 9711 kWh passive solar - 3542 kWh heat loss = 6169 kWh net gain)

Credit to Marc Rosenbaum, P.E. for this method of using PVWatts to calculate solar gain through south-facing glass as well as through east, west and north glass.

SUNLIGHT BRIGHTENS HOMES & PROVIDES 20-90% OF HEATING ENERGY