

# Handbook of solar energy data for south-facing surfaces in the United States. Volume 1: An insolation, array shadowing, and reflector augmentation model

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A quick reference for obtaining estimates of available solar insolation for numerous locations and array angles is presented. A model and a computer program are provided which considered the effects of array shadowing reflector augmentation as design variables. Smith, J. H. Jet Propulsion Laboratory NASA-CR-162998, DOE/JPL-1012-25-VOL-1, JPL-PUB-79-103-VOL-1 NAS7-100; EX-76-A-31-1012 INSOLATION; PHOTOVOLTAIC CELLS; SOLAR COLLECTORS; SOLAR ENERGY; SOLAR ENERGY CONVERSION; COMPUTER PROGRAMS; DESIGN ANALYSIS; ENERGY CONVERSION EFFICIENCY; ENERGY TECHNOLOGY; REFLECTORS; TABLES (DATA)

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