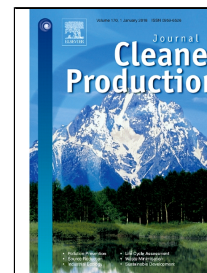


# Accepted Manuscript

Energy and Economic Performance of rooftop PV Panels in the Hot and Dry climate of Iran

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- Energy, economic and environmental performance evaluation of rooftop PV panels in 14 schools
- maximum electricity generation in single array configuration due to the lower shaded panels
- Each system can averagely reduce 500 kg CO<sub>2</sub> emission in first year of installation
- PV systems are inconvenient under subsidized average tariffs while profitable for the state
- This study discusses policies which make PV panels more economically viable

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