

LIST OF ABBREVIATIONS

1. **AC:** Alternating Current
2. **ACARP:** Australian Coal Industry Association Research Program
3. **Ag:** Silver
4. **AgCl:** Silver Chloride
5. **Al:** Aluminum
6. **AsH₃:** Arsenic Trihydride
7. **a-Si:** Amorphous Silicon
8. **B2B:** Business to Business
9. **B2C:** Business to Consumer
10. **B₂H₃:** Boric Anhydride
11. **BESS:** Battery Energy Storage System
12. **BOS:** Balance of System
13. **C.N.S:** Central Nervous System
14. **Cd:** Cadmium
15. **CdCl₂:** Cadmium Chloride
16. **CdTe:** Cadmium Telluride
17. **CEA:** Central Electricity Authority
18. **CIGS:** Copper Indium Gallium Di Selenide
19. **CIS:** Copper Indium Di Selenide
20. **Cl₂:** Chlorine
21. **CO₂:** Carbon Dioxide
22. **CSC:** Concentrated Solar Cell
23. **c-Si:** Crystalline Silicon
24. **Cu:** Copper
25. **CuInSe₂:** Copper Indium Selenide
26. **CuO:** Copper Oxide
27. **DC:** Direct Current
28. **DPSIR:** Drivers, Pressure, State, Impact and Response
29. **DSC:** Dye-Sensitized Solar Cells
30. **EOL:** End of Life
31. **EPA:** Environmental Protection Agency
32. **EPBT:** Energy Payback Time

33. **Eq:** Equivalent
34. **EU:** European Union
35. **EVA:** Ethylene Vinyl Acetate
36. **FeS₂:** Iron Sulfide
37. **FRELPA:** Full Recovery End of Life Photovoltaic
38. **Ga:** Gallium
39. **GaAs:** Gallium Arsenide
40. **GaInP:** Gallium Indium Phosphide
41. **GeH₄:** Germanium Hydride
42. **GHG:** Green House Gas
43. **GW:** Gigawatt
44. **H₂S:** Hydrogen Sulphide
45. **H₂Se:** Hydrogen Selenide
46. **H₂SO₄:** Sulphuric Acid
47. **HCl:** Hydrogen Chloride
48. **HF:** Hydrofluoric Acid
49. **HNO₃:** Nitric Acid
50. **Hz:** Hertz
51. **In:** Indium
52. **IRENA:** International Renewable Energy Agency
53. **ISO:** International Standard Organization
54. **Kg:** Kilogram
55. **KOH:** Potassium Hydroxide
56. **kW/m²:** Kilowatt Per Meter Square
57. **kW:** Kilo Watt
58. **kWh:** kilowatt Hour
59. **kWp:** Kilowatt Power
60. **LCA:** Life Cycle Assessment
61. **METI:** Ministry of Economy Trade and Industry
62. **MgS:** Magnesium Sulfide
63. **MOE:** Ministry of Environment
64. **MOTIE:** Ministry of Trade Industry and Energy
65. **Mt:** Million Ton
66. **Mw/Yr:** Megawatt Per Year

67. **MW:** Mega Watt
68. **NaOH:** Sodium Hydroxide
69. **NEDO:** New Energy and Industrial Technology Development Organization
70. **NiCd:** Nickel Cadmium
71. **NISE:** National Institute of Solar Energy
72. **P₂O₅:** Phosphorous Penta oxide
73. **PAH:** Polycyclic Aromatic Hydrocarbon
74. **PAYG:** Pay as you Go
75. **Pb:** Lead
76. **PBB:** Polybrominated Biphenyls
77. **PBDE:** Poly Brominated Diphenyl Ethers
78. **pH:** Potential of Hydrogen
79. **PH₃:** Phosphine
80. **POCl₃:** Phosphorous Oxychloride
81. **PRA:** Probabilistic Risk Assessment
82. **PSC:** Polymer-Based Solar Cell
83. **PSI:** Pillington Solar Int.
84. **PV:** Photovoltaic
85. **R&D:** Research & Development
86. **SCI:** Solar Cells Inc.
87. **Se:** Selenium
88. **Si:** Silicon
89. **SiH₄:** Silane
90. **SnS:** Tin Sulfide
91. **Te:** Tellurium
92. **TW:** Terra Watt
93. **TWh:** Terawatt Hour
94. **U.K:** United Kingdom
95. **U.S.A:** United States of America
96. **VVCR:** Vigor Vulnerability Convenience Risk
97. **W/m²:** Watt Per Meter Square
98. **WEEE:** Waste Electrical and Electronic Equipment
99. **Wt:** Weight
100. **ZnSe:** Zinc Selenide