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List of Abbreviations

1. FPC - Flat Plate Collector
2. ETC - Evacuated Tube Collector
3. MNRE - Ministry of New And Renewable Energy
4. BIS - Bureau of Indian Standards
5. GOI - Government of India
6. SWHS - Solar Water Heating systems
7. SWH - Solar Water Heater
8. EEV - Electric Expansion Valve
9. LMFR collectors - Low Mass Flow Rate Collectors
10. TRNSYS - Transient Simulation
11. ETSC - Evacuated Tube Solar Thermal Collector
12. CFD - Computational Fluid Dynamics
13. DHW - Domestic Hot Water
14. U_L - Overall heat loss coefficient
15. F_R - Heat removal factor
16. TIM - Transparent Insulation Material
17. PCM - Phase Change Material
18. PVC - Polyvinyl Chloride
19. Q_{gain} - Heat absorbed by cold water
20. Q_{lost} - Heat released by warm water
21. T_{REQ} - Required temperature at the delivery channel
22. m_{SWH} - Mass of water flowing per unit time at the outlet of the solar water heater
23. T_{SWH} - Temperature of the water flowing per unit time at the outlet of the solar water heater
24. m_{SEC} - Mass of water flowing per unit time at the outlet of the secondary source
25. T_{SEC} - Temperature of the water flowing per unit time at the outlet of the secondary source
26. m_{DEL} - Mass of water flowing per unit time at the outlet of the delivery channel
27. T_{DEL} - Temperature of the water flowing per unit time at the outlet of the delivery channel
28. $m_{SEC(Calc)}$ - Calculated value of the mass of water flowing per unit time at the outlet of the secondary source
29. $T_{REQ(Calc)}$ - Calculated value of required temperature at the outlet of the delivery channel
30. V.P. - Valve Position