

Field Performance Comparison Test of N-type TOPCon and P-type PERC Bifacial Modules in Haikou by CGC

c es 89.3% RH.

Project Background:

: ;

Experiment Methodology & System Design:



Indoor Electrical Performance Testing

tory. The test is purposed to test the degradation of modules

| No. | Test item | Test standard/method | Clause | | | | | |
|-----|-----------|-------------------------|--------|--------------|------|----------------|----------------|----------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | Experimental | Туре | Average | Max. | Average |
| | | | | group | | temperature/°C | temperature/°C | temperature/°C |
| | () | | | | | | | |

Result:

bifacial and P-type bifacial module is shown in table 3-1 and



| xperimental Type proup | Cumulative electricity production (kWh) | Total effective hours (kWh/kW) | Relative performance (%) | 560N sample serial# | Initial Power Test at July 01,2022 (W) | Period Power Test at April30,2023 (W) | Degradation |
|---------------------------|---|-----------------------------------|-----------------------------|------------------------|---|--|-------------|
| | | | | | | | |
| | | | | | | | |
| | | | | Subtotal | 5635.12 | 5601.05 | -0.60% |
| | | | | Conclusio | n: | | |
| | | | | 4 | .22 % | | |
| | | | | 0.56 | | | |
| | | | | 0.60% | | | |