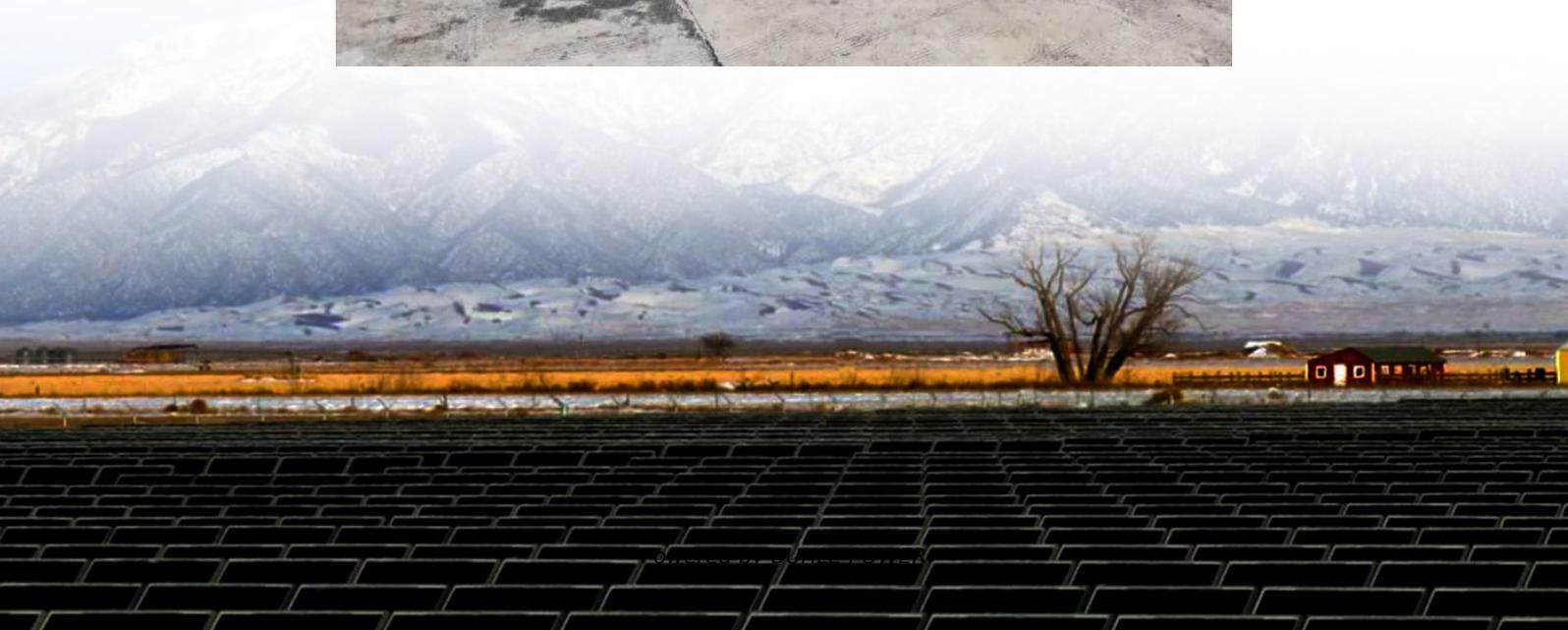


Cameroon PV inverter specifications and standards





Overview

Which PCU/Inverter should be used in a power plant?

IP-20(Minimum) for indoor. IP-65(Minimum) for outdoor. (a) Three phase PCU/ inverter shall be used with each power plant system (10 kW and/or above) but in case of less than 10 kW single phase inverter can be used. (b) PCU/inverter shall be capable of complete automatic operation including wake-up, synchronization & shutdown.

How to test a PCU / inverter?

(j) The PCU/ Inverters should be tested from the MNRE approved test centers/ NABL/ BIS/ IEC accredited testing- calibration laboratories. In case of imported power conditioning units, these should be approved by international test houses. DC voltage ripple content shall be not more than 1%.

What if a PCU/inverter is not incorporated with an isolation transformer?

(f) In PCU/Inverter, there shall be a direct current isolation provided at the output by means of a suitable isolating transformer. If Isolation Transformer is not incorporated with PCU/Inverter, there shall be a separate Isolation Transformer of suitable rating provided at the output side of PCU/PCU units for capacity more than 100 kW.



Cameroon PV inverter specifications and standards



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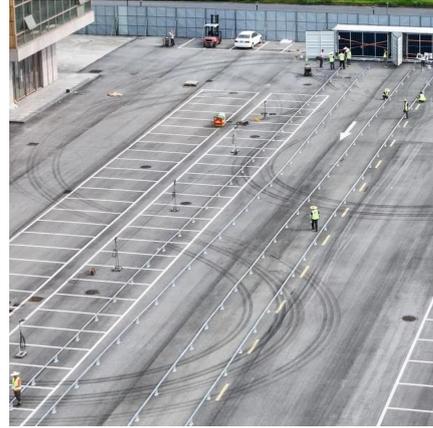
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