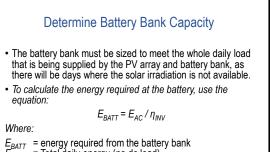
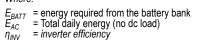


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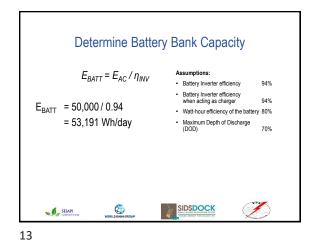


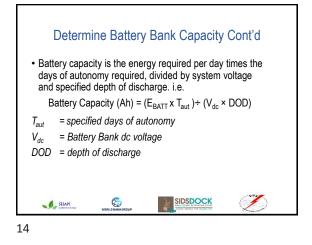
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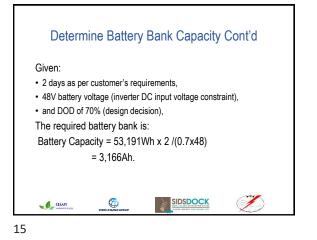


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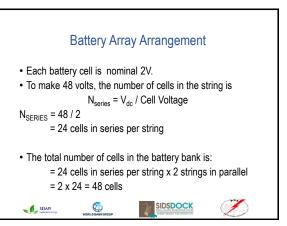


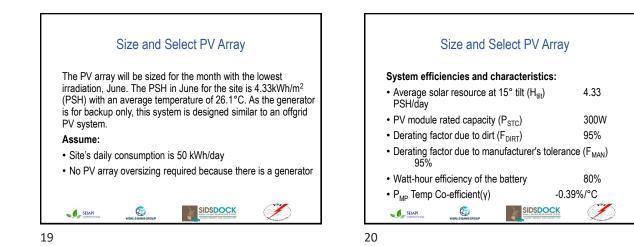


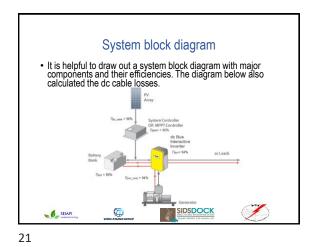


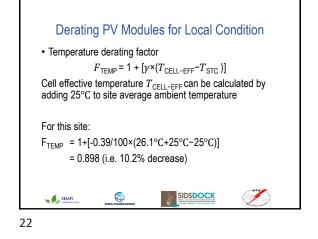


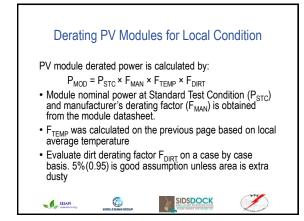
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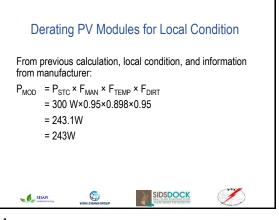


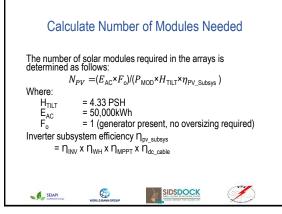


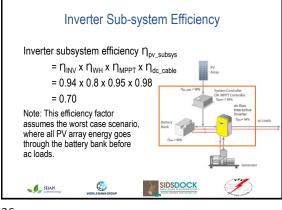


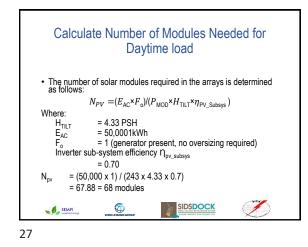


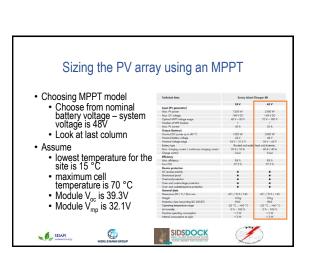


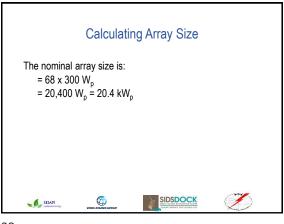


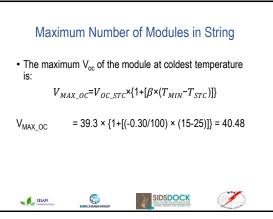


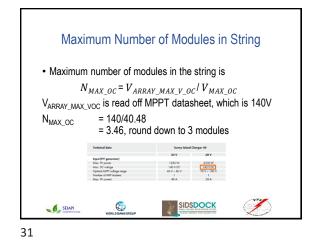


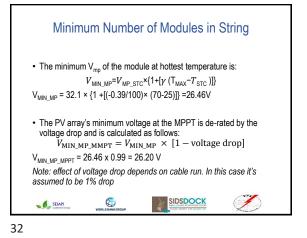


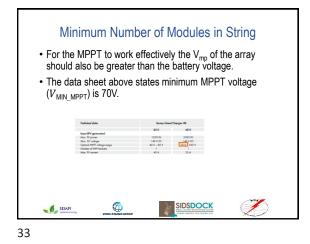


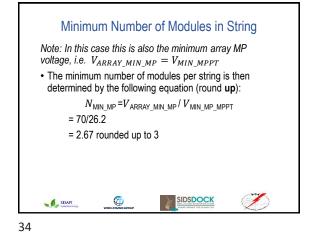


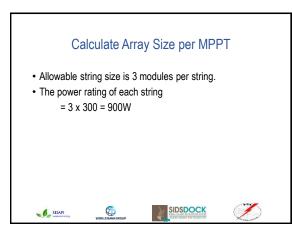


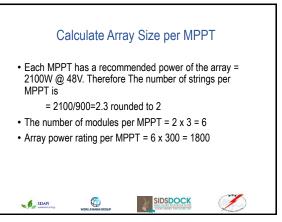


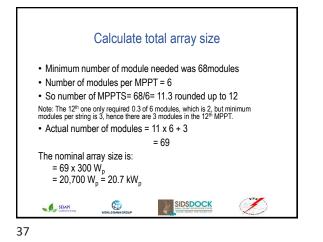


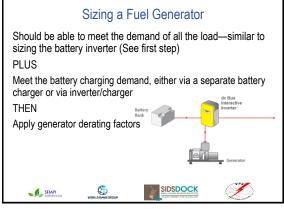


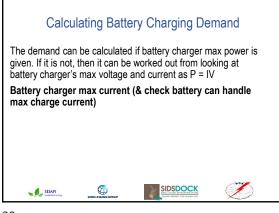




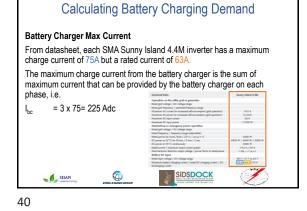




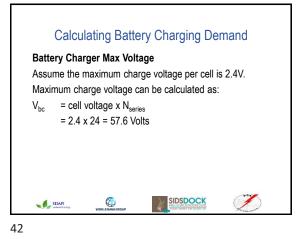


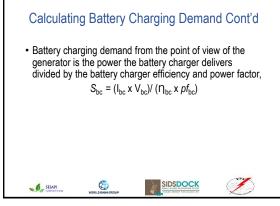


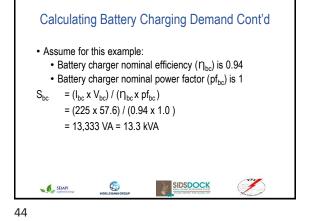




Calculating Battery Charging DemandThe selected battery bank comprises two parallel banks of
A02/1960C SOLAR with a combined C_{10} capacity of 2 x
1933 3186Ah. The battery's charge current is 0.1 x its C_{10}
ating, i.e.Battery design maximum charging current
 $= 0.1 \times 3186A = 318.6A$.This is smaller than Inverter's maximum battery charging
turent l_{bc} . Which means the battery bank can accept the
aximum charging current from the inverters.







Calculating Battery Charging Demand Cont'd
The 13.3 kVA is theoretical because the continuous rating of the inverter is 3.3kW. So three inverters would only represent 9.9kVA NOT 13.3 kVA.
The reason is that the maximum current would not occur at the maximum voltage of 57.6V. The VA of 75A x 57.6V is 4320VA this is even higher than the ½ rating of the inverter (600).
So we would know use 9.9kVA.

