

SolarTech Power Solutions

Cape Town Telecommunications Base Station Wind Power Management Measures



Overview

Can wind energy be used to power mobile phone base stations?

Worldwide thousands of base stations provide relaying mobile phone signals. Every off-grid base station has a diesel generator up to 4 kW to provide electricity for the electronic equipment involved. The presentation will give attention to the requirements on using windenergy as an energy source for powering mobile phone base stations.

Why should TMI be integrated into Cape Town's landscape?

OBJECTIVE 4. Proliferation of TMI could result in visual clutter which would be detrimental to Cape Town's built and natural environment. The visual impact is especially important in natural open environments or on ridge lines. TMI should be integrated into the landscape (whether rural or urban) to be as visually unobtrusive as possible.

What telecommunication infrastructure should be included in a base station?

The telecommunication infrastructure will form part of the base station that may be attached to street lamps, traffic lights, road directional signage, camera poles and flag poles or similar support structure which may not exceed: 300mm diameter for the post or support structure to which the antenna is to be attached.

What is the impact of TMI on Cape Town's natural environment?

Take the particular needs and character of the area into account. OBJECTIVE 4. Proliferation of TMI could result in visual clutter which would be detrimental to Cape Town's built and natural environment. The visual impact is especially important in natural open environments or on ridge lines.

What is Cape Town's approach to EME?

The approach taken is to protect the visual character and amenity of the City of Cape Town as far as possible, and to minimise the health risks (known /

potential and perceived) as-sociated with EME, in line with the City's mandate.

Why is TMI important in Cape Town?

Proliferation of TMI could result in visual clutter which would be detrimental to Cape Town's built and natural environment. The visual impact is especially important in natural open environments or on ridge lines. TMI should be integrated into the landscape (whether rural or urban) to be as visually unobtrusive as possible. OB.4.1.

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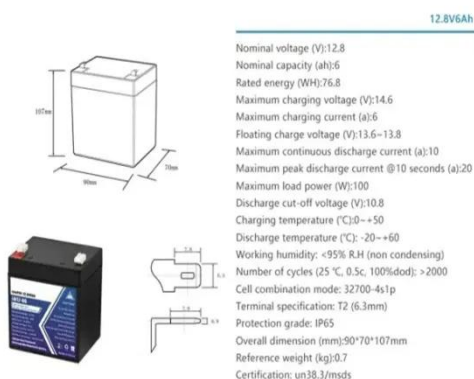


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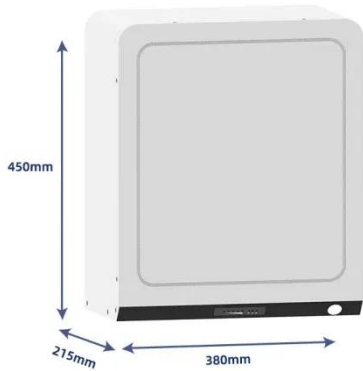
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