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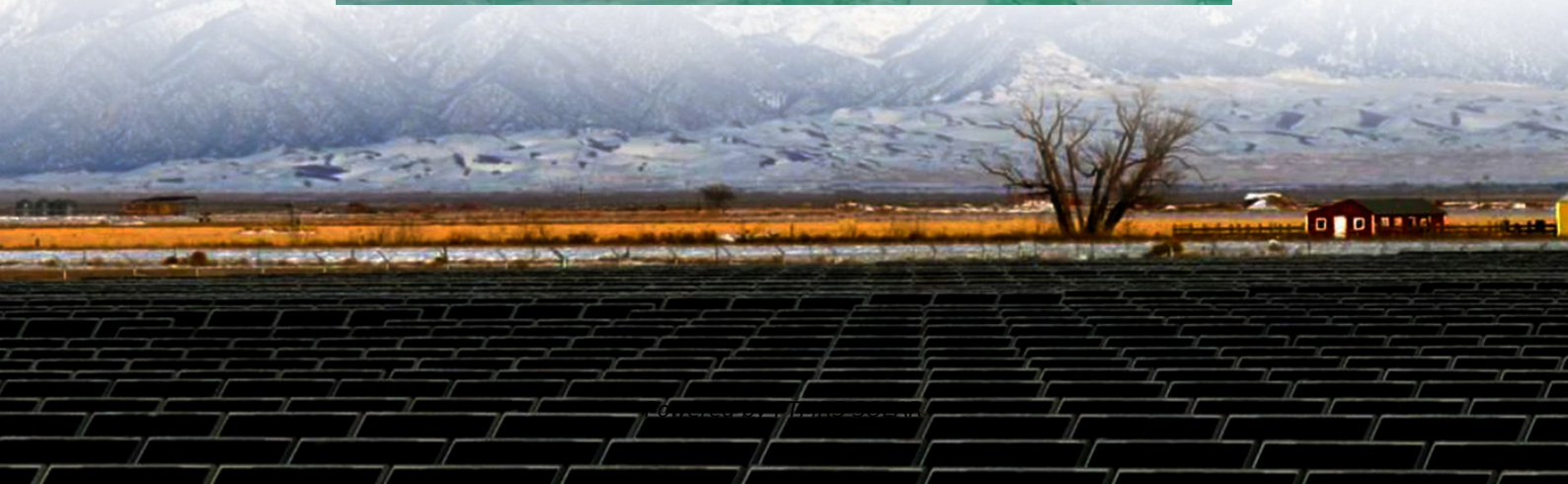
Mobile base station power supply and optical cable integrated



Overview

Indoor (external) type integrated cabinet, realizing multi-level modular design.Modular switching power supply, dynamic loop monitoring unit, fiber optic wiring unit, and battery backup unit can be integrated in one cabinet.It provides stable and reliable power protection and installation space for base station equipment, realizes minimal and rapid deployment, one-stop operation and maintenance, and helps 5G network evolution to be faster, more economical and simpler, and realizes a significant reduction of operation cost.What are base station types?

Base station types. first the AC/DC or isolated PoE converter generating the intermediate bus voltage of 12 V or 5 V, and then a point-of-load converter to step down once more to the necessary voltage level. If the PoE architecture includes power-sourcing equipment (PSE), a 48-V power rail has to be stepped down to power the PSE controller.

How does a small cell base station affect a smartphone's battery life?

When a mobile device is close to a small-cell base station, the power needed to transmit the signal is much lower compared to the power needed to transmit a signal from a cell tower far away, thus extending smartphone battery life.

How do you convert a base station to a power supply?

The most common method is to use multistage conversion: Table 1. Base station types. first the AC/DC or isolated PoE converter generating the intermediate bus voltage of 12 V or 5 V, and then a point-of-load converter to step down once more to the necessary voltage level.

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