

## SolarInnovate Energy Solutions

# Energy storage power supply un3480



## Overview

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### How to ship un3480 lithium ion batteries?

There are regulations put in place for the proper shipping of UN3480 lithium ion batteries as they can be dangerous and hazardous if transported improperly. The transportation methods of lithium-ion batteries include air transportation, water transportation, and land transportation.

### Why are power banks categorized as un3480?

Power banks are categorized as UN3480 because they are standalone energy sources, not pre-installed in or shipped with other devices. Their design as portable chargers—equipped with built-in circuitry but no primary operational hardware—excludes them from UN3481, which requires batteries to accompany or power specific equipment during transport.

### What are the packing instructions for un3480 & un3481 batteries?

UN3480 is subject to the packing instructions of PI965, and UN3481 is subject to the packing instructions of PI966 (packaged with the equipment) or PI967 (lithium batteries installed in the equipment). For lithium-ion batteries, the watt-hour rating exceeds 20W·h, and for lithium-ion battery packs, the watt-hour rating exceeds 100W·h.

### What are un3480 and un3481 codes for lithium-ion batteries?

UN3480 and UN3481 are United Nations codes for lithium-ion battery transport. UN3480 covers lithium-ion batteries shipped alone, while UN3481 applies to batteries packaged with the devices they power. These classifications ensure safe handling, packaging, and labeling to mitigate risks like thermal runaway during transit.

### How safe are un3480 lithium ion batteries?

When transporting UN3480 lithium ion batteries, several safety measures must be adhered to: Batteries must be protected against short circuits.

Packaging should be robust enough to withstand a drop test from 1.2 meters. Each package must not exceed 30 kg in gross weight. Why are UN3480 lithium ion batteries considered dangerous goods?

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What is un3481 & how does it work?

UN3481 applies to lithium-ion batteries contained within or packed together with equipment. Organizations must follow guidelines tailored to these specific shipping scenarios. For UN3481, batteries must be enclosed fully in inner packaging, which is then secured in a sturdy outer container.

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