

Starlink Mini 3-in-1 Smart Power Input Cable

EP-SK0183

Item	Specification
Input Interface	Anderson / XT60 / U-Fork (M6)
Output Interface	DC5521 (Starlink Mini Dedicated)
Input Voltage Range	DC 12V – 48V
Cable Specification	UL10445 18AWG, VW-1, 90°C, 600V, double-layer PVC, abrasion-resistant and UV-resistant.
Standard Length	3 meters (Supported Custom Length)
Recommended Max Length (12V system)	≤ 5 meters
Operating Temperature	-20°C to +60°C

Item	Application
Anderson Connector	Battery Packs, RV systems, portable power stations
XT60 Connector	Lithium battery systems, portable power packs
U-Fork (M6 Terminal)	Vehicle batteries, direct DC power connections



1- Product Overview

The Starlink Mini 3-in-1 Smart Power Input Cable is designed specifically for Starlink Mini applications. It is built using Starlink Mini-grade cable material with 18AWG pure copper conductors to ensure stable and efficient power transmission.

The product integrates three different DC input interfaces:

- Anderson connector
- XT60 connector
- U-Fork (M6 terminal)

The output uses a dedicated DC5521 connector for Starlink Mini devices.

Only one power input source can be active at a time. When one input is connected, the other two inputs are automatically isolated to ensure safe operation and prevent electrical conflict.

2- Key Features

- Starlink Mini-grade cable construction
- 18AWG pure copper low-resistance conductors
- Three-in-one universal DC input compatibility
- Intelligent single-input automatic isolation
- No manual switching required
- High reliability for mobile and off-grid power systems
- Supports customization of cable length

3- Protection Features

- **Intelligent Input Isolation**
 - Only one active power input is allowed at a time
 - Other input ports are automatically electrically isolated
 - Prevents accidental multi-source connection and system conflict



4- Cable Customization

- Custom cable lengths are available upon request
- Standard length: 1.5 meters
- To ensure stable operation, the maximum recommended cable length is: ≤ 5 meters when using a 12V DC power system
- Longer cable configurations may be supported for 24V or 48V systems depending on application requirements
- Excessive cable length under 12V may cause voltage drop and unstable operation of Starlink Mini

5- Application Scenarios

- Starlink Mini vehicle installation systems
- RV and caravan power systems
- Outdoor camping power supply setups
- Marine and boat communication systems
- Solar off-grid energy systems
- Portable battery power stations

