

TBS-ELECTRONICS 60V Isolated Converter

DC-DC Converter | TBS-ELECTRONICS | TDCi-48-12-16



Galvanic isolation protects sensitive electronics by preventing ground loops and electrical interference, ensuring stable 12.5V power from a 30-60V input. This converter integrates into demanding energy systems, supporting reliable operation in diverse mobile, off-grid, and industrial control applications.

Features

- Provides a stable 12.5V output from a wide 30-60V input range, ensuring reliable power for sensitive electronics and system components.
- Engineered for diverse applications including mobile power, off-grid energy systems, and industrial control environments where voltage stability is paramount.
- Features galvanic isolation to protect connected equipment from ground loops and electrical interference, enhancing overall system integrity.
- Designed for demanding environments with a robust construction and wide input voltage tolerance, ensuring continuous operation.

NOMINAL INPUT VOLTAGE	OUTPUT VOLTAGE	MAX OUTPUT CURRENT	OUTPUT POWER
48 V	14,4 V	16 A	192 W

Technical Specifications

Input		Output	
Nominal Input Voltage	48 V	Output Voltage	14,4 V
Input Voltage Min	30 V	Max Output Current	16 A
Input Voltage Max	60 V	Output Power	192 W
Performance & Isolation			
Galvanic Isolation	? Yes		

Regulatory Compliance

CE Standards: EN 55032, EN 55035, E-Mark (automotive)
Regulatory: CE

Product Identification

Item Code: **TDCi-48-12-16**
Model: **TDCi-48-12-16**