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	
Nominal Input Voltage	**48 V**
Input Voltage Min	**30 V**
Input Voltage Max	**60 V**

Performance & Isolation	
Galvanic Isolation	**? Yes**

Output	
Output Voltage	**14,4 V**
Max Output Current	**16 A**
Output Power	**192 W**

Regulatory Compliance

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

Product Identification

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

Specifications are subject to change without notice. © 2026 De Hoeve Multipower B.V.