

TNP5060 Series

Deep Sea Converter

**DC Voltage Converter, DC Input, Low Voltage Output,
High Reliability Power Supply**



Teslaman TNP5060 series is a constant current power converter designed for long-distance transmission. It is characterized in that it can transform constant current power supply into low voltage DC power supply suitable for load. The power supply is characterized by high efficiency, high performance, high reliability, high redundancy and long service life by using various advanced technologies and perfect protection functions. It has been applied in areas requiring high reliability, such as power supply for deep-sea observation network.

- Input Constant Current 1A $\pm 20\%$ (standard)
- Output Voltage DC48V (Standard)
- Output Power 200W (standard)
- Over-Current, Undercurrent, Over-Voltage And Output Short Circuit Protection
- OEM Customization Available

Typical Application:

Power supply of deep-sea observation network; Constant current DC transmission; Other high-voltage to low-voltage equipment and scientific research.

Specifications:

Input Working Current:

1A $\pm 20\%$.

Input Polarity:

Positive voltage to ground.

Output Voltage:

48Vdc.

Output Polarity:

Floating voltage is optional.

Output Power:

200W standard.

(Flexible configuration according to user needs)

Ripple:

$\leq 100\text{mVpk-pk}$.

Stability:

$\leq 0.1\%$ (after preheating for two hours).

Temperature Coefficient:

$\leq 50\text{ppm}/^\circ\text{C}$.

Operating Temperature:

$2^\circ\text{C} \sim 14^\circ\text{C}$.

Storage Temperature:

$-40^\circ\text{C} \sim 85^\circ\text{C}$.

Protection Function:

Over-voltage and under-voltage protection;

Over-current protection; Undercurrent protection.

Overall Dimensions:

Maximum outer diameter. 320mm long 484mm.

Input High Voltage Line:

Input high-voltage line with a length of 1.0 m and a maximum insulation voltage of 30kV.

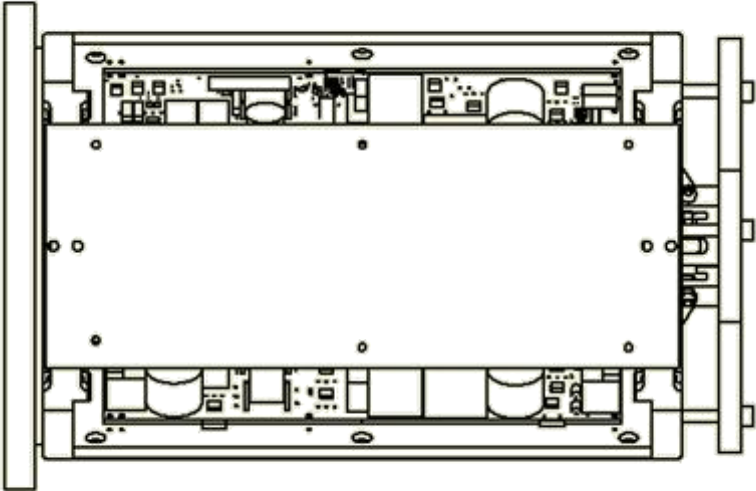
Output Line:

The maximum output current is 10A and the maximum withstand voltage is 30kV.

Overall Dimensions: mm

D 320mm

L 484mm



Axial side diagram