XT-PV DC Combiner Boxes — Datasheet

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DC combiner boxes that collect the output of multiple PV strings into one DC output, with per-string fuse protection and surge protection, for commercial and utility solar installations.

Features

- Per-string protection — every string input is fused individually.
- DC surge protection — surge protective device fitted on the output side.
- Two voltage classes — DC 1000 V standard, DC 1500 V for utility projects.
- Metal or insulated enclosure — steel or SMC/PC enclosure to order.
- Monitoring on request — string current monitoring can be integrated for SCADA connection.

Common Specifications

Item	Specification
System voltage	DC 1000 V (1500 V optional)
Protection	Per-string fuses + DC surge protection
Installation	Wall-mounted / mounting bracket

Models & Variants

Model	Input strings	System voltage	Protection
XT-PV-4	4 strings	DC 1000 V	Per-string fuse + DC SPD
XT-PV-8	8 strings	DC 1000 V	Per-string fuse + DC SPD
XT-PV-12	12 strings	DC 1000 V	Per-string fuse + DC SPD
XT-PV-16	16 strings	DC 1000 V	Per-string fuse + DC SPD

Model Meaning

XT-PV- gives the number of PV string inputs combined: 4, 8, 12 or 16 strings. Standard system voltage is DC 1000 V; a DC 1500 V version is available for utility-scale projects.

Service Conditions

For outdoor installation at the PV array, wall-mounted or on a mounting bracket. Protection class designed per IEC 60529 (tested on request).

Packing & Shipping

Each box is packed in an export carton with corner protection and palletised.

Customisation

String count, voltage class, monitoring and enclosure material can be configured to your system design.

Note: standard design parameters are shown; final dimensions and configurations are confirmed at quotation. This datasheet is product literature, not a test certificate. Test reports and third-party testing can be arranged on request.