

Tenka Power Guard 2-2



Tenka Power Guard 2-2 - Main benefits



Universal Compatibility

Suitable for all common inverters and solar modules



DC junction Box

For photovoltaic systems up to 1,100 V DC and 40 A



Surge Protection Type 1+2

Quick and simple surge protection implementation



Complete Installation Kit

Includes all necessary mounting and connection accessories.



System design flexibility

supporting 2 independent MPPT trackers up to 4 PV strings



Easy O&M

Transparent window for checking surge protector status

Technical Specifications	
Maximum DC Input Voltage	1,100 V
Number of MPPT Tracker Inputs	2
Number of DC String Inputs per MPPT	1 (up to 2 strings with Y-connector)
Maximum Current per String [IMPPT]:	40 A
Number of Outputs per MPPT	1
Surge Protection	
Type	T1 + T2
Protection Level [UP]	3.5 kV
Total Discharge Current [Total]	5/40 kA
Connections	
Type of DC Connectors	Stäubli Mc4
Cross Section of String Inputs	4–6 mm ² Solar Cable
Cross Section of Grounding	max. 16 mm ² YF
Type of PE Connections	2 x Screw Terminal (up to 16 mm ²) / M32 Threaded Connection (for 2 round cables)
General Data	
Housing Material	Polycarbonate
Lid / Door Material	Polycarbonate / Clear
Protection Type	Ip65
Impact Resistance	Ik10
Protection Class	II
Weight	2.6 kg
Dimensions	
Width	296 mm
Height	230 mm without MC4, 260 mm with Mc4
Depth	120 mm
Operating Conditions	
Permissible Operating Temperature Range	-20°C to +60°C
Max. Relative Humidity	5–90% RH, non-condensing
Max. Operating Altitude	4,000 m
Included Accessories	
MC4 Stäubli – Female connector	4 pcs. incl. Crimp Contact (4–6 mm ²)
MC4 Stäubli – Male connector	4 pcs. incl. Crimp Contact (4–6 mm ²)
Mounting	Brackets for wall mounting
Standards and Regulatory Documents	
En61439–1	Low-voltage switchgear assemblies
En61439–2	Power switchgear assemblies
IEC60364–7–712	PV power systems
En62305–3 Supplement 5	Lightning and surge protection for PV power systems
EC Directive	
Low Voltage Directive 2014/35/EU	
Substance Restrictions 2011/65/EU (ROHS)	