



- DESIGN: MODULAR
- DEGREE OF PROTECTION: IP66
- YEARS OF WARRANTY: 2
- UV RESISTANCE: YES
- READY TO CONNECT: YES
- WEIGHT: 19.69 KG



The connection panel from the Polish manufacturer EMITER provides protection against the effects of indirect discharges on the direct current side. It is designed for use in grounded and isolated photovoltaic installations. Due to the high degree of IP protection, outdoor installation is possible. The design of the switchgear is intended for surface mounting. Depending on the equipment, switchboards can perform various functions.

BASIC PARAMETERS DC SIDE

Number of inputs PV string outputs	10 10
Quantity Type of DC surge arrester Type	10 Noark T2
Connection type	Array MC4 Stäubli

ELECTRICAL AND MECHANICAL PARAMETERS OF THE HOUSING

Model	GW-IP66
The number of modules	54
Dimensions of housing without chokes and MC4 (Length Width Height)	210.00 495.00 500.00
Design in accordance with	EN 61439-1, EN 61439-2, EN62208, EN 60670-1, IEC 60670-24
Level of security	IP66
Protection class	II
Rated insulation voltage U_i	1000 V in accordance with the standard EN 62208 both for alternating current (AC), as well as direct (DC)
The incandescent rod test	960°C
Impact resistance	IK10
UV resistance	UV resistance (EN 62208)
Operating Temperature °C	-25 +60 °C

Material

Glass fibre reinforced polyester

DC surge arrester used (SPD)

Manufacturer / Model

Noark Ex9UEP 20(R) 3P 1000

Made in accordance with

EN 50539-11

Surge protection

T2 (klasa II, C, T2)

Making the insert

MOV (Warystor)

Rated operational voltage U_n

1000 V

Maximum continuous operating voltage $U_{CPV} + \rightarrow PE, - \rightarrow PE + \leftrightarrow -$

1000 V

Maximum open circuit voltage $U_{OC} \max$

905 V

Frequency

DC

Nominal discharge current $I_n (8/20 \mu s)$

20 kA

Maximum discharge current $I_{max} (8/20 \mu s)$

40 kA

Total discharge current $I_{total} (8/20 \mu s)$

40 kA

Voltage protection level U_p by $I_n + \rightarrow PE, - \rightarrow PE + \leftrightarrow -$

3.8 kV

Leakage current I_{PE} by $U_{REF} DC$

< 50 μA

Leakage current I_{PE} by $U_{REF} AC$

< 1 mA

Maximum short-circuit current I_{SCPV}

1000 As

