



- 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 both indirect and direct 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 T1/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)	200.00 405.00 500.00
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 Ex9UEP1+2 6.25(R) 3P 1000
----------------------	---------------------------------

Made in accordance with	EN 61643-31
-------------------------	-------------

Surge protection	PV T1+T2 (Klasa I+II, B+C, Typ 1+2)
------------------	-------------------------------------

Making the insert	MOV (Warystor)
-------------------	----------------

Protection function	thermal
---------------------	---------

Protection mode	+ → PE
-----------------	--------

-	- → PE
---	--------

-	+ ↔ -
---	-------

Maximum continuous operating voltage U_{CPV}	
--	--

+ → PE, - → PE	1000 V
----------------	--------

+ ↔ -	1000 V
-------	--------

Frequency	DC
-----------	----

Nominal discharge current I_n (8/20 μ s)	20 kA
--	-------

Maximum discharge current I_{max} (8/20 μ s)	40 kA
--	-------

Surge current I_{imp} (10/350 μ s)	
--	--

+ → PE, - → PE	6.25 kA
----------------	---------

+ ↔ -	6.25 kA
-------	---------

Voltage protection level U_p by I_n	
---	--

+ → PE, - → PE	3.8 kV
----------------	--------

+ ↔ -	3.8 kV
-------	--------

Leakage current I_{PE} by U_{REF} DC	< 50 μ A
--	--------------

Leakage current I_{PE} by U_{REF} AC	< 1 mA
--	--------

Maximum short-circuit current I_{SCPV}	1000 As
--	---------

Number of ports	1
-----------------	---

LV system type	DC, nieuziemiony system PV
----------------	----------------------------

Auxiliary contact (optional)	1 przemienny (CO)
------------------------------	-------------------

Auxiliary contact, voltage / current	
--------------------------------------	--

AC U_{max} / I_{max}	250 V AC / 1 A
--------------------------	----------------

DC U_{max} / I_{max}	250 V DC / 0.1 A; 75 V DC / 0.5 A
--------------------------	-----------------------------------

Connection configuration	Y
--------------------------	---

