

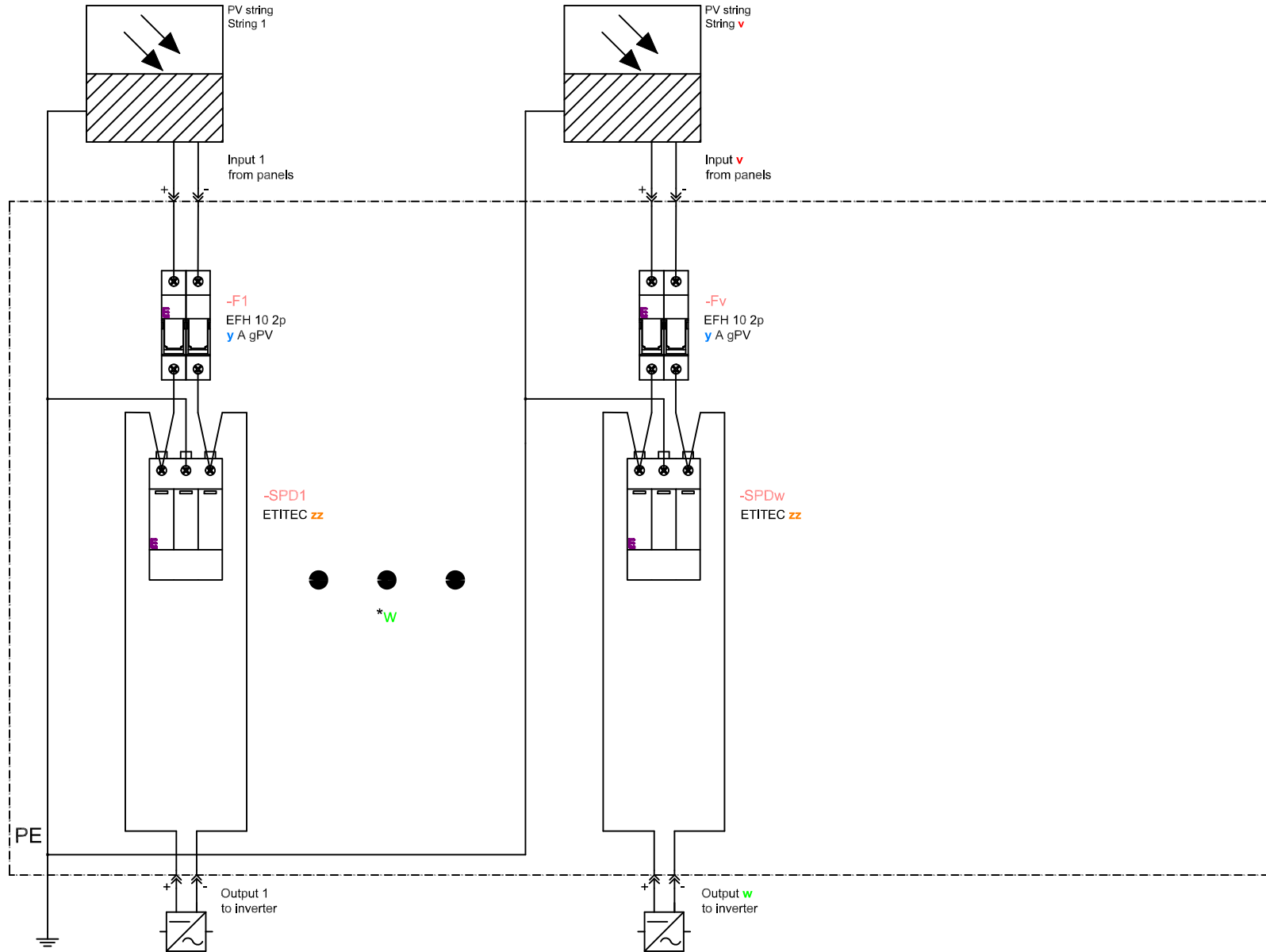
Universal schematic for PVAs RFVE

- with fuse protection, configuration 1:1 (v:w), without switch-disconnector
- enclosures ECH and EPC

⁽¹⁾ $U_{CPV} = 250/600/1100V$ DC, $I_{NA} = v \cdot y$ A
 IP65/20 (ECH), IP66/00 (EPC)
 IK08 (ECH) / IK10 (EPC) / IK07 (EPCW)
 EN/IEC 61439-2 ed.3

RFVEx/qW-DCv/w-y-zz-VC							
RFVE	x	q	v	w	y	zz	V/C
Switchboard type	U_{CPV} (V DC)	Size of enclosure determining type	No. of strings	No. of outputs/branches	Fuse value (A)	SPD type	Special designation
- photovoltaic assembly	250 ⁽¹⁾	8 / 12 / 18 / 24 / 36 / 48 = ECH	1 to 4 for ECH	1 to 4 for ECH	/ = without protection	EM / M	V = type with LS switch-disconnectors
	600 ⁽¹⁾	44 / 54 / 64 / 65 / 86 = EPC	1 to 16 for EPC	1 to 16 for EPC		T12 / T2	C = type with PV connectors
	1100	W = EPC with window (opaque door = without W)			8 / 10 / 12 / 13 / 14 / 15 / 16 / ⁽²⁾ 20 / 25	T12 = Type 1 + 2	
						T2 = Type 2	

* grey colored variables in the type key can't be applied to this schematic / enclosure
 ** I_n of the switch-disconnector is determined by a defined configuration (LS 16/25/32A)



- v = number of input circuits (strings)
- y = I_{nc} of a circuit (string)
- w = no. of parallel outputs / branches
- zz = production line of SPD: M / EM
 SPD type: T12 / T2
 (i.e.: MT2)

1: $U_{CPV} = 250/600V$ is possible only for SPD ETITEC M T2 (1100V for all other types)

2: 20 and 25A fuses are possible only after agreement with a producer ($RDF \leq 0,8$)

- ⌵ = "C" connectors
- ⌵ - without "C" the assembly contains cable glands



Conductors for connecting live parts should be at least 6mm², class II, $U_n \geq 1000V$ DC.
 Insulation color: red for a positive pole, black / blue for a negative pole.

PE protection conductor (yellow-green) should be at least 6mm² for SPD T2 and at least 16mm² for SPD T12.