

## PV Kits Components Structure

**Product ERP Code: PTG306.00891**

**EAN Barcode: 5940613006412**

**Product Denomination: Supply of Ground Residential & Commercial PV Kit 20kW with BESS, System Type: Hybrid, Electrical Connection Type: ThreePhase, Battery Storage System: 30 kWh**

Installation is considered for Romania only. For other countries, additional fees must be considered from case to case. The below structure is only a sample of the options available, for reference purposes only. Our policy of continuous improvement may result in a change of specifications without notice. If any discrepancies might be between the data sheet values and standards, we reserve the rights to make technical changes. Our company will not be held responsible, as all or any of the pictures, drawings, weights and dimensions, details or other elements in this document are only indicative and must not be considered contractual.

The following components structure presents a mix of potential options, which will be chosen by the technical team depending on various criteria such as but not limited to project type, project location, rooftop or ground type and size, limitation of assembly of elements, product availability and product price, etc. The final PV Kits Components Structure will be the one mentioned in Technical Documentation offered by the Contractor/Executant.

The products which may be needed, based on technical analysis and documentation from project to project and are not included in the componence structure below, will be invoiced separately by the Contractor/Executant.

### 1. Panels Power & Qty (Will be offered one variant only, based on the panel available power and engineering solution). Power expressed in Wp.

Panel Power (W)	No. of pieces per System **
400	50
405	49.38
410	48.78
415	48.19
420	47.62
425	47.06
430	46.51
450	44.44
455	43.96
460	43.48
475	42.11
500	40
530	37.74
550	36.36
555	36.04
560	35.71

590	33.9
660	30.3

\*\* Each system may have a variation of (+/-) 5% reason for which the number of panels will be chosen to fit in that variation.

## 2. Inverters (Will be offered one variant only, based on the inverter power and engineering solution. Mixed solution can be offered). Power expressed in kW.

Invertor Power (kW)	No. of Inverters **
3	6.67
4	5
5	4
6	3.33
8	2.5
10	2
12	1.67
15	1.33
17	1.18
20	1
25	0.8
30	0.67
36	0.56
40	0.5
50	0.4
100	0.2
115	0.17

\*\* Each system may have a variation of (+/-) 5% reason for which the number of inverters will be chosen to fit in that variation.

\*\*\* If values are lower than 0,8 and higher than 1,2 should not be taken into account. The technical team can choose a mix of inverters to support the installed system.

## 3. Solar Cable (Will be offered one variant only, based on the engineering solution. Mixed solution can be offered with different cross-sections)

Quantity considered per kW	20m/kW included, additional lengths will be paid extra by Beneficiary
Quantity considered per system (m)	400

## 4. AC Cable (Will be offered based on the engineering solution, between 1m and 3m/kW. Cable cross-sections will be calculated for each project. Additional lengths will be paid extra by Beneficiary.)

Quantity considered per kW	Minimum (1m/kW)	Maximum (3m/kW)
Quantity considered per system min. & max. (m)	20	60

5. Coppex Pipes (Will be offered one variant only, based on the engineering solution. Dimension on internal diameter will be established by the engineering team. Mixed solution can be offered.)

Quantity considered per kW	5m/kW included, additional lengths will be paid extra by Beneficiary
Quantity considered per system (m)	100

6. Metal Structure and Related Accessories (Will be offered full kit, based on the engineering solution.)

Will be set up based on roof type and engineering solution.
Kit

7. Electrical Panel & Logger (Will be offered full kit, based on the engineering solution.)

Will be set up based on engineering.
Kit

8. Battery Storage System.

Storage capacity (kWh)
30

9. Engineering.

If the case.
Included

10. Documentation for Prosumator Dossier.

If the case
N/A

\*\*\* Contact our sales team for other specifications or custom-made products.  
[tenders@polytrade.global](mailto:tenders@polytrade.global)