

	Description	Price per unit EUR	Quantity	Net Price EUR	Total EUR
	Photovoltaic pv plant on Parking lots for self consumption with battery storage				
	I.1. Photovoltaic modules and inverters				
1	Procurement, transport and installation of bi - facial dual glass N - Type I modules with nominal output power 430Wp , according to the standards : IEC 61215/IEC 61730/ IEC 61701/ IEC 62716/ UL61730 / modules efficiency 21,5(%), IP68 rated and 1% first year degradation. No. of cells 144.	pcs.	48	0,00	0,00
2	Procurement, transport and installation of microinverters compatible with 144 half-cell solar modules, minimum / maximum input voltage 18/58V, Start - up input voltage 22V, maximum MPP voltage up to 45V, Maximum input current 14A,maximum input power 530w rated AC power 360w, nominal grid voltage 230V, maximum units per single / muti - phase 20 A circuit 10(L+N)/30(3L+N), according to the standards: IEC 61000-3-2, 61000-3-3, 61000-6-2, 61000-6-3, IEC 50065-1, 50065-2-1	pcs.	48	0,00	0,00
3	Procurement, transport and installation of Q - three phase cables compatible for the micro inverters, with nominal voltage 250vac, current capacity 25A, connector spacing 1.3m, for pv modules orientation in portrait, connector count per box 200, according to the standards: IEC 60529 IP67, EN ISO 492-2, IEC 60332-1-2	pcs.	56	0,00	0,00
4	Procurement, transport and installation of Q - Three phase terminator cap for unused three-phase cable ends , compatible with the cables.	pcs.	10	0,00	0,00
5	Procurement, transport and installation of Q - cable sealing caps - one needed to cover each unused connector on the cabling	pcs.	8	0,00	0,00
6	Procurement, transport and installation of Q- Field - wireable connector (female) - for connections from an Q cable (three- phase) open connector	pcs.	5	0,00	0,00
7	Procurement, transport and installation of Q- Field - wireable connector (male) - For making connection using three - phase cable	pcs.	5	0,00	0,00
8	Procurement, transport and installation of Q - cable with no connectors	m	25	0,00	0,00

9	Procurement, transport and installation of Q- cable clip - used to fasten cabling to the racking or to secure looped cabling	pcs.	326	0,00	0,00
10	Procurement, transport and installation of Metered communications gateway with integrated PV and consumption metering. Includes two CTs (100A limit). Production and consumption meter: +/-1% accuracy, 230 VAC or 400Y/230 VAC, 50 Hz Max 20A over current protection required, IP30. For installation indoors or in an IP54-rated (or better) enclosure, according to the standards: IEC/EN 61010-1:2010, EN50065-1, EN61000-4-5, EN61000-6-1, EN61000-6-2	pcs.	1	0,00	0,00
11	Procurement, transport and installation of Current transformers - Maximum primary current 100A, CT accuracy (error rate) <1% Dimensions (in mm) 40.1 x 26.4 x 26.7, Maximum conductor size support 16mm ² , CT type Split core, Primary voltage 250VAC, Compliance CE, RoHS compliant	pcs.	4	0,00	0,00
12	Procurement, transport and installation of Multiphase network system relay controller (50 Hz) with support for DC current detection with: operating AC voltage range for power supply 85 to 265 VAC; nominal input voltage (V _{nom}) 230 V _{rms} , number of phases Single-, 2- or 3-phase modes, according to the standards: IEC 61010, EN 61010-1, AS/NZS 61010.1, IEC 61326, BS EN 50065-1 & 2-2, BS EN 61326-1&2, BS EN 61000-3-11&12	pcs.	2	0,00	0,00
I.2. Battery Storage					
1	Procurement, transport and installation of Single Phase Battery with total capacity of 3.5kwh; Usable capacity 3.5 kWh; Round trip efficiency 96% (charging and discharging); Nominal DC voltage 67.2 V ; Chemistry Lithium iron phosphate (LFP); Enclosure Outdoor – IP55; Limited Warranty 2 80% capacity, up to 10 years or 3600 cycles ³ , according to the standards: UN 38.3, EN 62040.1, VDE AR-N 4105:2018 EMI: CE, EFT, ESD, Surge, dips and interruptions, CRF Cell Module: IEC 62619:2017, UN 38.3, UL1973, UL9540A Inverters: EN 62109-1, EN 62109-2, EN 62909-1:2017, EN 50549-1:2019	pcs.	3	0,00	0,00

2	<p>Procurement, transport and installation of Multiphase network system relay controller (50 Hz) with support for DC current detection with: operating AC voltage range for power supply 85 to 265 VAC; nominal input voltage (Vnom) 230 Vrms, number of phases Single-, 2- or 3-phase modes, according to the standards:IEC 61010, EN 61010-1, AS/NZS 61010.1,IEC 61326, BS EN 50065-1 & 2-2, BS EN 61326-1&2, BS EN 61000-3-11&12</p>	pcs.	1	0,00	0,00
3	<p>Procurement, transport and installation of Communications Kit -) contains a wireless USB adapter kit enables wireless communication between the storage and Microgrid Interconnection Device.. Note that you must install the Ensemble Communications Kit to enable complete functionality of the Ensemble energy management system. The kit need to includes a 2.4 GHz wireless radio</p>	pcs.	1	0,00	0,00