





FRONIUS Solar.Configurator 4.0 2021-12-02_UCLH Podium x4



CONTACT

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CUSTOMER DATA

UCLH Podium x3

FRONIUS International GmbH accepts no guarantee for the completeness of the module and inverter data used or any false configurations created by the configurator, or faulty or inefficient system sizing. All liability claims against Fronius relating to damages of a material or conceptual type which were caused through the use of the Solar configurator are basically excluded unless there is any demonstrably deliberate or grossly negligent fault on the part of Fronius. The Quick sizing is based on the following assumptions: No country-specific consideration of cosPhi, AC voltage, unbalanced loading or capacity limitation. Place of installation < 2000m. Specific yield for storage calculation = 1000 kWh/kWp. 2/5 Fusing recommendation based on IEC 60364-7-712:2016. Deviations due to country specific requirements by utilities or authorities may occur.



PROJECT

PROJECT		
Country	United Kingdom	
Project name	2021-12-02_UCLH Podium	x4
PV MODULE		
Modul manufacturer	SOLARWATT	
Model	SOLARWATT Panel vision H 3.0 pure-365	
Min. / Max. module temperature	-10 °C / 70 °C	
Add bifacial module gain	0%	
INVERTER		
Inverter type	Symo 20.0-3-M	
SUMMARY		
Inverter ratio	111%	
Pmpp at 25 °C	22.63 kWp	
МРРТ	PV1: 2x21	PV2: 1x20
Current Factor	1.00	
MPPT DETAILS		
	PV1	PV2
String (str. x mod.)	2 x 21	1 x 20
Isc at 25 °C	22.38 A	11.19 A
Umpp at 70 °C	619.38 V	589.88 V
Uoc at -10 °C	946.96 V	901.87 V
Umpp at 25 °C	724.50 V	690.00 V
Pmpp at 25 °C	15.33 kWp	7.30 kWp
String fuses required	no	no
String combiner required	no	no
Loss of yield	no	no

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PV MODULE

Modul manufacturer	SOLARWATT
Model	SOLARWATT Panel vision H 3.0 pure-365
Open circuit voltage	41.20 V
Short circuit current	11.19 A
MPP voltage at 25° C	34.50 V
MPP current at 25 °C	10.66 A
MPP power at 25 °C	365.00 W
Max. system voltage	1,000.00 V
Temp. Coef. open circuit voltage	-0.270000 %/C
	-0.111240 V/C
Temp. Coef. short-circuit current	0.040000 %/C
	0.004476 A/C
Temp. Coef. MPP power	-0.370000 %/C
	-1.350500 W/C
Cell technology	Monocrystalline
Max. reverse current	20.00 A
Dimensions (H x W x D)	1,780x1,052x40 mm
Earthing recommendation	no



INVERTER

Inverter type	Symo 20.0-3-M
INPUT	
Number of MPP trackers	2
Usable MPP voltage range	200 V 800 V
Max. input voltage	1,000 V
Maximum array short circuit current	33.0 A / 27.0 A
Maximum array power	49.5 A / 40.5 A
Maximum array power	30,000 Wp
OUTPUT	
AC Rated power	20,000 W
AC Maximum Output power	20,000 VA
Minimum cosphi	0.10
3-phase	yes
Euro. Effectiveness	97.9 %
Maximum Efficiency	98.1 %
GENERAL	
Dimensions (H x W x D)	725 x 510 x 225 mm
Weight	43.4 kg
Protection degree	IP 66
Ambient temperature range	-40 °C 60 °C