

Final data sheet of plant

PLANT LOCATION	
Denomination:	Hybrid system for Delimart shopping center
Region:	Haiti
Province:	
Municipal district:	Port-au-Prince
Address:	Route de Delmas, 32
ZIP:	
Location:	

GENERAL CHARACTERISTICS	
Type of plant:	Mono section
The plant started operations as:	New building
Date of entry into operation:	01/01/2018
Existing system became operational on:	
Upgrading of an existing system promoted in energy bill:	
Rated power before the upgrading:	
Average production of the two calendar years preceding the intervention of upgrading:	
Rated power installed:	78 kWp
Expected annual production:	120.322 kWh

CHARACTERISTICS OF CONNECTION TO THE POWER GRID	
System:	Medium voltage
Rated voltage:	8.400 V

METHOD OF CONNECTION TO THE POWER GRID	
Is the electricity produced by the plant the same as that fed into the power grid?	No
Name of the local electricity grid operator:	EDH
Identification code referred to in Article 37, paragraph 37.1, the deliberation n.111/06:	

ACTIVATION BY SECTIONS	
Number of sections:	1

CHARACTERISTICS OF THE STRUCTURE OF SUPPORT FOR SOLAR MODULES	
The photovoltaic generator PV generator is mounted on a structure:	Fixed tilt
Azimut:	35°
Tilt:	15°

COST OF THE PLANT	
Supply modules:	€ 62.400,00
Supply inverter:	€ 20.400,00
Remaining parts, installation and design:	€ 1.230.888,00
Total cost of the plant:	€ 185.138,22
Specific cost:	€/kWp 1.901,77
Local incentives:	€ 0

SITE/PLANT TYPOLOGY
Commercial building

INSTALLATION TYPOLOGY
Gross surface area occupied by the plant: 502,32 m ²

Section:	Section 1
Type of realization:	On roof

CHARACTERISTICS OF PHOTOVOLTAIC MODULES	
Manufacturing technology:	Polycrystalline silicon
Brand and model:	CSI CANADIAN SOLAR INC CS6P-250P
Number of modules:	312

Power per module:	250 W
Certification:	CEI EN 61215
Total surface of the modules:	502,32 m ²

CHARACTERISTICS OF CONVERTERS	
Brand and model:	SMA TECHNOLOGIE AG SB 6000TL-21 (60Hz)
Certification CEI, IEC, ecc.:	No
Number of converters:	12
No-load input voltage (Voc) (STC conditions):	380 V
Output voltage (Vca):	231 Vac

CHARACTERISTICS OF ENERGY STORAGEES	
Brand and model:	Fronius Solar Battery 4.5
Rated capacity:	43,2 kWh
Rated power:	28,8 kW
Input power:	28,8 kW
Apparent power:	28,8 kVA
Rated voltage:	120 V
Efficiency:	95 %

CHARACTERISTICS OF THE INTERFACE PROTECTION	
Interface protection:	External to cc/ac converter
Model of the external interface protection:	

TECHNICAL MANAGER	
Name:	Francois
Surname:	Morel
Company:	Solar Haiti
Region:	Haiti
Province:	
Municipal district:	Cap-Haitien
Address:	

ZIP:	
Phone:	
Fax:	
E-mail:	

<p>Declaration of Conformity of the Technical manager:</p> <p>The undersigned Francois Morel born in Cap-Haïtien il 24/01/1975, declare to possess the skills and requirements established by current legislation for the development of the final documentation of the project.</p> <p style="text-align: center;">Signature of Technical Manager</p>
