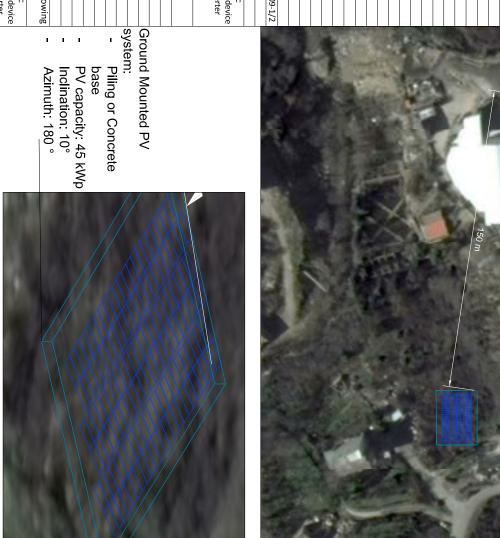
RS485, Ethernet and/or RS232 (compatible with Grid-dependent inverter, existing Genset control Unit, environment sensors and electrical meters) Meters, sensors, inverters, Genset Control Unit, Grid (consumption) Inverters, Grid (back-feeding) 2 years data logging capacity, monthly evaluation report, calculation of	Data logger	
RS485, Ethernet and/or RS232 (compatible with Grid-dependent inverter, existing Genset control Unit, environment sensors and electrical meters) Meters, sensors, inverters, Genset Control Unit, Grid (consumption) Inverters		
RS485, Ethernet and/or RS232 (compatible with Grid-dependent inverter, existing Genset control Unit, environment sensors and electrica meters) Meters, sensors, inverters, Genset Control Unit, Grid (consumption)	Outputs	
RS485, Ethernet and/or RS232 (compatible with Grid-dependent inverter, existing Genset control Unit, environment sensors and electrica meters)	Inputs	
RS485, Ethernet and/or RS232 (compatible with Grid-dependent		
. 401 - 044000	Comr	& data logger
Fuel reduction device	oller Type	PV plant controller
≥1500	Rated cycles at DOD 70%	
Vented tube lead acid	Туре	
70%	Maximum DOD	
48V	Voltage	
≥170,000 Wh	Rated Capacity	
Technical room	Pla	Battery bank
reconnection conditions, linear output power control from a third device (read and write capabilities), utility interactive photovoltaic inverter system		
reading and writing on the inverter	Additional commonts	
MODRIIS or CAN (with communication bridge if required) allowing	Anti-Islanding protection Communication	
230 V and 50 Hz	Designed for an electrical gird of:	
24 kVA (3 units of 8 kVA each)	Rated power	
Yes	Assistance to grid	
yes	Transfer system	
Yes	Charger function	
Vec Vec	Inverter function	וואפורפו
Technical room		Dual mode
Fq = 50 ± 5 Hz		
Vp-p=400 V ± 20%		
ter Vp-n = 230 V ±20%	Permissible grid characteristics (inverter not to be disconnected)	
Dynamic compensation of reactive power, inverter automatic reconnection conditions, linear output power control from a third device (read and write capabilities), utility-interactive photovoltaic inverter system.	Additional requirements	
RS485, ethernet, RS232	Comunication	
Taillionic current (iec 61000-3-2 alla / or iec61000-3-4), iec 62103-1/2	Anti-islanding protection	
Harmonic Courant (IFC 61000 3 2 and (or IFC61000 3 A) IFC 62100 1/2	Euroemciency	
≥98%	Maximum efficiency	
≤3W	Consumption at night	
≤ 3%	THD	
30 nz (dujusidne)	Phi cosine	
3 / N / PE 230, 400 V (adjustable)	Output AC voitage	
1.000 V	Maximum DC voltage	
150 V - 800 V	Biggest voltage MPP range	
≥ IP65	Protection Class	
≥1	Number of MPP tracker	
≥40,000 W	Rated power	
Three phase transformerless		
Outdoor		Grid-Tied Inverter
EC 61215 edition 2. IEC 61730. IEC 62716. IEC 61701	Standards	
Ground mounted 1809	Orientation	
Crustalling 77 cells		Generator
≥45,000 Wp	PV Cap	Photovoltaic



SERVICE SPECIFICATIONS Specific Yield Specific Yield Specific Yield (KWY/AWP) (KWY/AWP) (KWY/AWP) Specific Yield 1,450 WWY/AWP) 1,750 WWY/AWP 1	MODE	ristics Estim	Facility Reference a	ance Daily final (kWh/day)	Output Specific Yield	
		ated solar fract	ence annual co 'year)	inal average p 'day)	ic Yield	SERVI
ILES PECIFICATIONS 1.450 kWin/AWp production 179 kWin/day onsumption 121000 deficin - \$55% DIS OF OPERATION OPERATI	E OF OPERAT					CE SPECIFICAT
	ON ED INVERTER	55%	21000	.79 kWh/day	,450 kWh/kWp	SNOI

POWER GRID CONNECTED INVERTER
SOURCE OPERATION
Grid Cod Load feeding (normal operation)
Mode Injection to the grid if any surplus
Fuel Genset Load feeding according fuel reduction

DRAWING: SYSTEM LAYOUT AND ARCHITECTURE
PROJECT: HAMMANA WWTP PV SYSTEM
BENEFICIARY: HAMMANA MUNICIPALITY
PVLB 1.1.1

