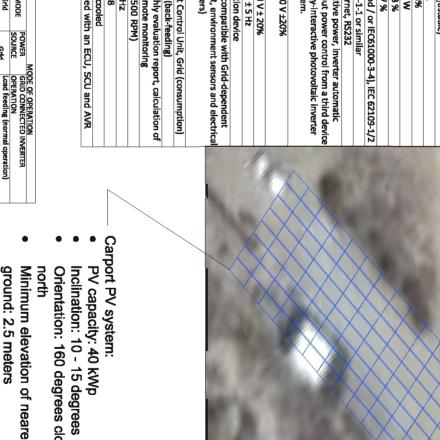
Liquid cooled	l ype of cooling	
C.ox	Power factor	
50 HZ	Rated frequency	
TO NAW (TOOL STA)	Zaka powa	Diesel Geliefami
indicators and remote monitoring		Naci Caranta
2 years data logging capacity, monthly evaluation report, calculation of	Data logger	
Inverters, Grid (back-feeding)	Outputs	
Meters, sensors, inverters, Genset Control Unit, Grid (consumption)	Inputs	
meters)		
inverter, existing Genset control Unit, environment sensors and electrical	Communication	or chaird in Section
Fuel reduction device	lype	PV plant controller
Fq = 50 ± 5 HZ	•	
Vp-p=400 V ± 20%		
	Permissible grid characteristics (inverter not to be disconnected)	
reconnection conditions, linear output power control from a third device (read and write capabilities), utility-interactive photovoltaic inverter system.		
Dynamic compensation of reactive power, inverter automatic	Additional requirements	
RS485, ethernet, RS232	Comunication	
Yes/ VDE 0126-1-1 or similar	Anti -islanding protection	
Harmonic Current (IEC 61000-3-2 and / or IEC61000-3-4), IEC 62109-1/2	Standards	
≥97%	Euroefficiency	
≥98%	Maximum efficiency	
W & 5	Consumption at night	
≤ 3%	CHI	
1	Phi cosine	
50 Hz (adjustable)	Output AC frequency	
3 / N / PE 230, 400 V (adjustable)	Output AC voltage	
1000 V	Maximum DC voltage	
150 V - 800 V	Biggest voltage MPP range	
≥ IP65	Protection Class	
≥1	Number of MPP tracker	
≥ 35,000 W	Rated power	
Three phase transformerless	Type	
Outdoor	Location	Grid-Tied Inverter
EC 61215 edition 2, IEC 61730, IEC 62716, IEC 61701	Standards	
1609	Orientation	
Crystalline 72 cells	Type of module	
15º Carport structure	Inclination	
240,000 esp	I viai Fy Labacity at 31 C (44p)	LA Gerreracoi



Load feeding according to fuel reduction mode	Genset	Fuel Reduction
Load feeding (normal operation) injection to the grid if any surplus	e4	Grid
GRID CONNECTED INVERTER OPERATION	POWER SOURCE	MODE
MODE OF OPERATION	<u> </u>	

Output Specific Yield perform Daily final average production (kwh/day)

SERVICE SPECIFICATIONS

Facility Reference annual consumption characte (KWh/year)

67,000 kWh/year Арргох. 91%

164 kWh/day 1,530 kWh/kWp

Estimated solar fraction

- Orientation: 160 degrees clockwise from
- ground: 2.5 meters Minimum elevation of nearest point to Three connection points; one for each

school building

BENEFICIARY: TEBNINE MUNICIPLAITY	PROJECT: TEBNINE PUBLIC SCHOOL	DRAWING: SYSTEM LAYOUT AND ARCHITECTURE

PVLB 2.2.1