

A. TECHNICAL SPECIFICATIONS

No	Item	Description	Quantity
1	Inverter	5KW Inverter Hybrid Max DC input power 6500 W MPPT range 125V – 425V Max.AC output power 5500W. Rated AC output and UPS power 5000w Max efficiency 97.6% At least 5 YEARS WARRANTY	1
2	Solar Panel	power: 620W Bifacial N-Type TOPCon Dual Glass Open circuit voltage=55.48V Short circuit current=14.23A Maximum power voltage= 45.86V Maximum power current =13.52A Module efficiency=22.00% Weight =34.5kg Maximum system voltage =1500v Junction box =IP68 At least 15 YEARS WARRANTY	10
3	Panel's structure	Galvanized steel structure Aluminium root Anti-theft connector Z, I, T, AND I Letters (modification and new steel root to support panels plus Aluminium connections). At least 15 YEARS WARRANTY	5
4	Electrical board (AC-DC)	Electrical Equipment Includes: DC Cable AC Cable MC4 (Male& Female) Circuit breaker (AC & DC) Surge protection device Main distribution board Conductor Connector Timer Change over Earthing System Cables, connectors and CB (include in-house MB caballing and new PV cables)	5

5	Battery	Vacuna battery (life longer battery) Parameters 240 Nominal voltage 12v No. of cell design life seven years Cycle se 14.4-14.7v Maximum charging current 24A Dimension 495*190*430 Weight 71kg 2 YEARS WARRANTY Minimum	18
6	Battery Stand	Galvanized steel structure Aluminium root Anti-theft	4
7	Monitoring screen	24-inch display with Wi-Fi connectivity to show the status and power details. The monitoring screen will be connected to the solar system.	1
8	Installation	Transportation Installation Testing and Engineering. (One Year Maintenance) Minimum	1

B. WARRANTY & DOCUMENTS:

warranty with maintenance for each item.

C. GENERAL REMARKS AND SPECIAL CONDITION:

- We would like the bidders to handle installation, transportation, and loading.
- A catalog (datasheets) is needed for the evaluation of the received offers.
- The needed amount of electricity is at least 22 Amp.