



AMS SOLAR
INTERNATIONAL TRADING
www.ams-solar.com

your OneStop Solar Power System Solution

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Solar Based Products: Solar Panels (Tier 1 & Top 10), Grid Tie Inverters, Pure Sine Wave Off Grid Inverters, Hybrid On-Grid / Off Grid Inverters, Integrated Solar Street Lights, Portable Solar Generator, Lithium Ion Batteries, Solar Water Pumps, Solar PV Cables, MC4 Connectors, Aluminum Mounting Railings.

INSTALLATION and COMMISSIONING of 8.06KWp HYBRID ON GRID-OFF GRID SOLAR PV SYSTEM with Back-Up Power During Brown Out

Scope of Work:

To carry out the complete installation of **HYBRID** Solar PV System as follows:

- 13 pcs of **620Watts** either **JINKO TIGER-NEO BIFACIAL** Solar Panel (**TIER 1**)
- 1 set of **8Kw DEYE HYBRID ON GRID / OFF GRID INVERTER**
- 2 sets of **200Ah/51.2V (20KWH)** (i.e. **LIFEPO4**) Lithium Ion Battery as back-up power in case of brown out (Premium Quality type of Battery)
- 2 sets of **20A/2P 600VDC MCB** Breaker from Solar panel to Inverter
- 2 sets **20KA~40KA / 800V DC** Surge Protective Device
- 1 set of **50A / 230V AC MCB** Breaker from MDP to Inverter
- 1 set **20KA~40KA / 385V AC** Surge Protective Device
- 40 meters of **4mm sq. PV Solar Cable**
- Complete set of installation materials such as Solar Panel Mounting Rails, Mid & End Clamps, L-Foot, MC4 connectors, Inverter cable accessories, screws, etc.
- Complete installation and commissioning.

NOTE: The system is **HYBRID PV SYSTEM** with battery as back-up power. It is designed to generate an estimated electrical output of approximately between 960Kwhr ~ 1,080Kwhr per month based on the Equivalent Sun Hours in the Philippines (ESH) of 4.0 ~ 4.5 hrs per day. **A monthly savings of between P6,000 ~ P8,000 from your Electricity Bill on "DAY USE" only and depending on the export / import power to the distribution utility company.**

PAYBACK TIME:

Assuming the average power generated from the Solar PV System computed as **8Kwp x 4.0 ESH** per day x 30 days x 12 months per year = 11,520Kw-hr/yr. Multiply by **VECO** Rate at an average of P11/Kw-hr = P126,720. Therefore, Return On Investment is P450,000 divide P126,720 = **3.5 Years**.

Total Lump Sum: P

Warranties for GRID-TIE SYSTEM using HYBRID GRID TIE INVERTER:

- **12 Years** Product Warranty for material and workmanship & **30 years** Linear Power Output Warranty for Solar Panel from supplier
- **5 Years** for the Hybrid Inverter from Supplier.
- **5 years** for Lithium-Ion Batteries from supplier.

Philippine Address

Purok 2, Mahogany, Simborio, Tayud, Liloan,
Cebu 6002, Philippines

THINK GREEN. GO RENEWABLE ENERGY SOLUTION.

Help SAVE the EARTH, SAVE THE ENVIRONMENT & SAVE MONEY...



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- **3 Years** for the installation and workmanship with lifetime support system.

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