

PRELIMINARY INFORMATION-SEARCH-FURTHER-YOURSELF:

(A) Off Grid Solar Battery Inverter DOMESTIC (4 no. Batteries i.e. 4x12volt In Series Connection = 48volts, 150AH-200AH, each battery 12 volt Solar Tall Tubular):

Mono PERC Panel: Jinko Solar/Waaree/Luminous 36cell/60cell/72cell VOC:

Two-Variations:

1. Luminous MPPT Charge Controller
48Volt/50Ampere-VOC range--Along with--3Kilowatt/(3750VA-4000VA Normal Inverter)
OR

2. 3Kilowatt Luminous Solar Inverter NXT+ MPPT 3750VA-PCU-VOC range

[Panel Stand Alone VOC / Panels In Series VOC <

Charge Controller VOC range / PCU Solar Inverter VOC range]

MC4 connector / IP68 / Panel Junction Box

GI/MS Panel Structure

DC DB- MCB / Battery Charge Meter / dc SPD / DC Earthing

AC DB- Grid MCB off / Inverter Output MCB / Inverter Output Unit Meter Digital Display / ac SPD when Grid On / AC Earthing- Also Same For Inverter Body

DC wire- 10mm square Panel Charge Controller / 10mm square Charge Controller Battery / 16mm meter square Battery Inverter

AC wire- 6mm square Inverter AC DB

Lightening Arrester (LA) (Protection Radius)

Seperate 3meter Deep Earthing AC & DC & LA- Copper Electrodes- Chemical Compound- 3mm Thick- S trips- With- Saddle

Chemical Compound Types: 1. Backfill Compound (Rock salt + Charcoal + Anticorrosion mixture)

BLACK color for Normal areas 2. Backfill Compound (Clay + Bentonite + Charcoal + Rock salt)

BROWN color for Desert Areas.

Seperate / Existing For- AC Earthing

(B) Grid Tie / Bidirectional / Net Metering Solar Inverter DOMESTIC + INCOME from Grid (Batteries not required): Luminous Company Grid Tie Inverter 7500VA/6.0KW & Secure Company Meters.

Note X: 3 Kilowatt Grid Tie Solar Inverter --or-- 3 kilowatt MPPT Solar Inverter PCU will get you 40% Govt. subsidy on solar panels.

Note Y: 6 Kilowatt Solar Panels will get you 20% Govt. subsidy.

Note Z: MPPT is better than PWM efficiency wise.

MINIMAL-SETUP-STANDALONE:

Luminous Solar NXG+ 1400VA, Hybrid Inverter (PWM based which is non-MPPT), 12V, 150-200AH, Single Solar Tall Tubular Battery

The Inverter Supports up to 1000 Watts of solar Panels. It is suitable for running up to 720 watts of ac load during power cuts