

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), 150-200AH, 12Volt 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