PRELIMINARY INFORMATION-SEARCH-FURTHER-YOURSELF:
(A)OffGridSolarBatteryInvertorDOMESTIC(4 no. Batteries i.e. 4x12volt In Series Connection = 48volts, 150AH-200AH, each battery 12 volt SolarTallTubular):
MonoPERC Panel: JinkoSolar/Waaree/Luminous 36cell/60cell/72cell VOC:
Two-Variations:

1. Luminous MPPT Charge Controller 48Volt/50Ampere-VOCrange--Alongwith--3Kilowatt/(3750VA-4000VA AlreadyExistingAtHome Normal Inverter)
   OR
2. 3Kilowatt Luminous Solar Inverter NXT+ MPPT3750VA-PCU-VOCrange

[PanelStandAloneVOC/PanelsInSeriesVOC < ChargeControllerVOCrange/PCUSolarInverterVOCrange]
MC4connectorIP68/PanelJunctionBox
GI/MS PanelStructure
DCDB-MCB/BatteryChargeMeter/dcSPD/DCearthing
ACDB-GridMCBoff/InverterOutputMCB/InverterOutputUnitMeterDigitalDisplay/acSPDwhenGridOn/ACearthing-AlsoSameForInverterBody
DCwire-10mmsquarePanelChargeController/10mmsquareChargeControllerBattery/16mmmetersquareBatteryInverter
ACwire-6mmsquareInverterACDB
LighteningArrester(LA)(ProtectionRadius)
Seperate3meterDeepEarthingAC&DC&LA-CopperElectrodes-ChemicalCompound-3mmThick-Strips-With-Saddle
ChemicalCompoundTypes:1.BackfillCompound(Rocksalt+Charcoal+Anticorrosion mixture) BLACKcolor for Normal areas 2. BackfillCompound(Clay+Bentonite+Charcoal+Rocksalt) BROWNcolor for Desert Areas.
Seperate/ExistingFor-ACEarthing

(B)Gridtie/Bidirectional/NetMetering SolarInvertorDOMESTIC+INCOMEfromGrid(Batteries not required): LuminousCompanyGridtieInverter7500VA/6.0KW & SecureCompanyMeterForReading.

NoteX: 3 Kilowatt Gridtie SolarInverter --or-- 3 kilowatt MPPT SolarInvertor PCU will get you 40%Govt.subsidy on 3KW-solar-panels.(Check)
NoteY: 6 Kilowatt Solar Panels will get you 20%Govt.subsidy on 6KW-solar-panels.(Check)
NoteZ: MPPT is better than PWM efficiency wise.

MINIMAL-SETUP-STANDALONE:
Luminous Solar NXG+ 1400VA, Hybrid Inverter (PWM based which is non-MPPT), 150-200AH, 12VoltSingleSolarTallTubularBattery
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