

Checklist for Inverter

HT1500(GW225/250K-HT, GW225/250KN-HT) & UT (GW320/350K-UT,
GW320/350KH-UT)

minimum requirement to be followed

1. Please do carefully review manual of inverter before starting any planning and installation, respectively.
2. Maximum open circuit voltage connected in one string is 1500Vdc under any conditions.
3. DC voltage difference between MPPTs shall be less than 400V.
4. Maximum 14 inverters can be operated in parallel at one LV winding of transformer
5. The inverter has to be used in IT system, i.e. neutral point of LV side of transformer shouldn't be grounded. Otherwise, it may affect the warranty.
6. All devices connected to the inverter, including auxiliary devices such as VTs, shall not be grounded at the neutral point of the primary side.
7. Store the equipment in a clean place. Make sure that the temperature and humidity are appropriate without condensation.
8. Total inverter output capacity shall be equal or less than the capacity of power transformer.

TECHNICAL CHECKLIST (V6)

Location: _____ Capacity: _____

Project Name: _____

No	Item	Values	Remark
1	Inverter type	<input type="checkbox"/> GW225K-HT <input type="checkbox"/> GW225KN-HT <input type="checkbox"/> GW250K-HT <input type="checkbox"/> GW250KN-HT <input type="checkbox"/> GW320K-UT <input type="checkbox"/> GW320KH-UT <input type="checkbox"/> GW350K-UT <input checked="" type="checkbox"/> GW350KH-UT <input type="checkbox"/> GW250KH-UT	
2	Module Parameters		
2.1	PV module type and brand		
2.2	Peak power current I_{mpp} (A)		
2.3	Peak power voltage V_{mpp} (V)		
2.4	Open circuit voltage V_{oc} (V)		
2.5	Quantity of PV modules per string		
2.6	Quantity of strings connected per inverter		
3	AC Transformer Parameters		
3.1	Capacity of transformer type 1 (kVA)		
3.2	Capacity of transformer type 2 (if applicable)		
3.3	Ratio of transformer (LV/HV voltage)		
3.4	Vector group	<input type="checkbox"/> Dy11 <input checked="" type="checkbox"/> Dy11-y11	IT grid
3.5	No. of inverters per winding (pcs)		
4	Cable info.		
4.1	DC cable outer diameter (mm)		
4.2	DC cable section area (mm ²)		
4.3	AC cable outer diameter (mm)		
4.4	AC cable section area (mm ²)		
5	Others		
5.1	Does it require export power limitation function in case the inverter used in C&I application	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
5.2	Grid code		
5.3	Inverter communication method	<input type="checkbox"/> PLC <input type="checkbox"/> RS485	
5.4	Datalogger (Please fill type and brand)		
5.5	Highest temperature (°C)		
5.6	Lowest temperature (°C)		
5.7	Altitude (m)		
GoodWe Review: _____ Approval: _____ Date: _____		Customer Signature: Date : _____	

Note: Customer and GoodWe engineer shall cross check above information before sign the checklist.