PROJECT NAME	
LOCATION	NUMBER



3 PHASE STRING INVERTERS (KTL SERIES)

Step	No.	Content	Details	Values / Notes	Conclusion
	1	Installation environment	Ensure installation site meets environmental and physical constraints.		[]Good []Poor
	2	Unpacking	Check inverter condition after unpacking.		[]Good []Poor
	3	Mounting bracket installation	Install inverter mounting bracket according to installation instructions in user manual. For allowable tilt angle refer to the installation manual.		[] Completed Record Tilt Angle in Notes
N	4	Inverter installation	Carefully install the inverter to the mounting bracket and ensure it is firmly attached. Ensure the inverter has proper clearances and are properly ventilated.		[] Completed
INSTALLATION	5	Serial number	Record the product serial numbers located on the side label.		Serial Numbers; attached list
TALI	6	Solar modules	Confirm PV module installation completion. Record the total power of the PV modules.		[] Completed Record kWp in Notes
INS	7	DC input and AC output connection	Switch off the DC and AC distribution unit, connect DC to PV terminals of inverter, and connect AC to AC terminals of inverter. Ensure proper polarity and cable size. Torque to specifications.		[] Completed Record Torque in Notes
	8	PV voltage	Measure and record DC voltage. Ensure voltage and polarities are correct. Confirm the voltages are within 5% tolerance to what was tested.		[] Completed Record V _{DC} in Notes
	9	AC grid	Measure and record AC voltage and frequency. Confirm the V_{AC} voltages are within 5% tolerance to what was tested.		[] Completed Record V _{AC} in Notes
	10	Grounding cable	Ensure ground cable is firmly attached to grounding lug.		[]Good []Poor

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3 PHASE STRING INVERTERS (KTL SERIES)

Step	No.	Content	Details	Values / Notes	Conclusion
	1	Communication cable (if function is used)	Connect the RS485 cable to the communication port.		[] Completed
COMMISSIONING			CSI-xx-KTL-CT: 1. Switch on the DC switch first. The LCD and "Power" LED indicator will be green lighted. The "Run" LED will be off. The "Grid" LED will be flashing. The "Fault" LED will be flashing and the inverter begins self-checking. Initially, "GridV.Outlimit" and "GridF.Outlimit" will be displayed, then the inverter will switch to "Standby" mode. 2. Switch on the AC switch. The Grid faults will clear automatically. In "Standby" mode, the "Power" LED is solid green, the "Run" LED is off, the "Grid" LED is solid green and the "Fault" LED is off.		[] Completed Record LEDs status in Notes
COMM	2	Supply DC / AC power	CSI-xx-KTL-GS: 1. Switch the grid supply main Switch (AC) ON first. 2. Switch the DC switch ON. If the voltages of PV arrays are higher than start up voltage, the inverter will turn on. The red LED power will be continuously lit. 3. When both the DC and the AC sides supply to the inverter, it will be ready to generate power. Initially, the inverter will check both its internal parameters and the parameters of the AC grid, to ensure that they are within the acceptable limits. At the same time, the green LED will flash and the LCD displays the information of INITIALIZING.		[] Completed Record LEDs status in Notes

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3 PHASE STRING INVERTERS (KTL SERIES)

Step	No.	Content	Details	Values / Notes	Conclusion
			CSI-xx-KTL-CT: A standard 5 minute delay is required before the inverter generates any power to the grid. In normal operation mode, the "Power", "Run", and "Grid" LEDs are solid green and the"Fault" LED is off.		[] Completed Record LEDs status in Notes
	3	Waiting time	CSI-xx-KTL-GS: After 30-180 seconds (depending on local requirement), the inverter will start to generate power. The green LED will be on continuously and the LCD displays the information of GENERATING.		[] Completed Record LEDs status in Notes
9	4	Power generation	After grid connection, record power output of inverter.		[] Completed Record power in Notes
COMMISSIONING	5	Date & Time setting	Set the current date and time using the front panel interface.		[] Completed Record current date/time in Notes
MISS	6 Communication Set communication with a unique address for each inverter.		[] Completed Record address in Notes		
COM	7	Machine version	For maintenance and reference, please record the firmware revisions if applicable.		[] Completed Record with serial numbers
8 par	Operating parameter	Record operating parameters of the inverter. Verify IEEE1547 or UL1741 setting is selected. De-rate inverter and attach de-rate sticker as required.		[] Completed Record operating parameters in Notes	
	9	Testing	Open and close the DC breaker to confirm whether the inverter reboots and shuts down automatically.		[] Reboot successful [] Not rebooting
	10	Completion	Installation and commissioning is complete if no abnormality.		[] Good [] Issues detected

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3 PHASE STRING INVERTERS (KTL SERIES)

System Owner:			
Address / Location:		Note site typical arrangements and variances	
Inverter model:		Inverter firmware revision: DSP:	LCD:
Number of inverters:	Inverter mounting tilt:		
Output power*:	Input DC voltage:	Insulation limit (K):	PV start-up voltage:
Grid: V Max:V Min:	Frequency Max: Min:	Reactive compensation:	_ +/- PF
Configuration: MPPT Individual	MPPT Parallel		
Monitoring: RS485:	Ethernet:	Monitoring equipment and supplier:	
PV module manufacturer:	PV model:		
DC cable size:	AC cable size:	Transformer ratings, supplier:	
Number of series connected modules in P	PV strings:		
Number of PV strings in parallel per MPP1	D:		
Total System size (DC Watts):		*Specify de-rated power and add nameplate power in parenthesis	
GENERAL COMMENTS / OBSERVATION:	S:		

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3 PHASE STRING INVERTERS (KTL SERIES)

Warning: This checklist is not a replacement for the user manual. Please read the user manual prior to inverter site selection and installation.

Inverter serial numbers	;:
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1		22
2	2	3
3	2	4
4	2	25
5	2	26
5	2	7
7		
3		9
9		30
10		r1
11		32
12		3
13		
14		25
15		36
16		57
17		88
18	3	
10		In
20		11
21		17

INSTALLER'S NAME _

INSTALLER'S SIGNATURE _

COMPANY

DATE ___