

**Technical Schedules A and B for
Inverters**

Schedule A: Purchasers specific requirements

Schedule B: Guarantees and technical particulars of equipment offered

1	2	3	4	5	6
Item	Description	Reference Doc.	Parameters	Schedule A	Schedule B
1	Product Information				
1.1	OEM		OEM Name	xxxxxxxxxx	
2	Inverter Characteristics				
2.1.1	Inverter type		Specify	Central/String/Micro	
2.1.2	Maximum conversion efficiency	240-53114248 Cl. 3.2.19.4	%	≥ 95	
2.1.3	Operating temperature range (without derating within this range). Sunshade shall be installed. Concept shall be briefly explained in inverter concept within tender.	240-53114248 Cl. 3.1.1.2	°C	-15 to +60	
2.1.4	Connection phases	KZN-STM-1004-926987-0001 Cl. 5.2	Yes/No	Three-Phase	
2.1.5	Frequency	240-53114248 Cl. 3.1.2.3	Hz	50	
2.1.6	Total Harmonic Distortion	240-53114248 Cl. 3.2.1.34	%	≤ 10	
2.1.7	IP for inverter installed outdoor (EN 60529)	240-53114248 Cl. 3.4.9.2	Specify	≥IP65 or better	
2.1.8	Cooling concept		Specify	Designed for installation and operation in conditions such as high humidity and corrosive salt air.	
2.1.9	Controllability of inverter output per remote control/energy management system.		Specify	Dynamic adjustable	
2.1.10	Earthing concept		Specify	Earthing according to installation requirements of PV module OEM.	
2.1.11	Multiple MPPT functionality		Yes/No	Required	
2.1.12	String failure detection		Yes/No	Required	
2.1.13	DC overvoltage protection	240-53114248 Cl. 3.2.17.1	Yes/No	Required	
2.1.14	Surge protection	240-53114248	Yes/No	Required	
2.2	Product Warranty and Performance Guarantee				
2.2.1	Product warranty	KZNM202401 Cl. 3.5	Specify	10 Years	
3	Documentation for Acceptance of PV Modules				
3.1	Detailed technical specifications		Present documentation	Required	
3.2	Product information catalogue		Present documentation	Required	
3.3	Installation manual		Present documentation	Required	
3.4	Summary of the product's cleaning strategy		Present documentation	Required	
3.5	Calculations for ensuring electrical compatibility between the inverters and the modules		Present documentation	Required	
3.6	Operating and maintenance manual		Present documentation	Required	
3.7	Confirmation of Adherence to Testing and Standards for Solar PV and BESS Installation	Populate the letter titled "LTRINV_ESKSTJ_001."	Present documentation	Required	

BIDDER'S SIGNATURE

Name (Print)

Company Name

Sign

Date