



Powertel Communications (Pvt) Ltd Head Office  
10th Floor, Joina City, Cnr Jason Moyo/ Julius Nyerere Way, P. O. Box 7600, Harare  
Tel: +263 4 780635-9, 758331, 758908, 755704, 756014, 758819 Fax: +263 4 759613,  
Contact Centre: +263 4 751263/4, 773201 Email: info@powertel.co.zw | www.powertel.co.zw

**POWERTEL COMMUNICATIONS TENDER CLARIFICATIONS:**

**TENDER: NCT/PWT/10/2022: SUPPLY AND DELIVERY OF INVERTERS**

Please find below response to a Tender-Query raised by a prospective bidder.

**Bidders must take note that this document becomes part of the Tender documents and will be circulated through our website to all the bidders who are participating in the tender process**

No	Related RFQ Document	Bidder's Query	Response
1	Technical requirements	On page 17, table 2: Technical Compliance for 5kVA Inverter. Kindly confirm if Nominal battery system voltage should be <b>24V</b> or 48.	<b>The Nominal Battery System Voltage is 48VDC, Refer to attached amended Technical Table.</b>

POWERTEL COMMUNICATIONS  
SIGNED:   
DATE: 24/11/2022  
PROCUREMENT DEPT

Table 1: Technical Compliance Table for 5Kva Inverter

Parameter Column (a)	Specifications Required Column (b)	Bidder to state whether Compliant/ Not compliant Column (c)
Rating	5KVA	
Nominal battery system voltage	48VDC	
Output	Rated Power 5000VA	
	Surge Power 10KVA	
Waveform	Pure sine wave	
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
AC Input	Voltage: 230VAC±5%	
	Frequency: 50Hz/60 Hz with auto sense	
Battery	Normal voltage: 48VDC	
	Floating Charge Voltage: 54 to 58VDC	
	Overcharge Protection: 60VDC	
Solar charger & ac charger	Maximum PV Array Power: At least 4500w	
	MPPT Range @ Operating Voltage: 120VDC~430VDC/	
	Maximum PV Array Open Circuit Voltage: 450 VDC	
	Max Solar Charging Current: 100A	
	Maximum AC Charge Current: 100A	
	Max Charge Current: 80A	
	Efficiency: 98%	
	Maximum Standby Power Consumption: 2 W	

  
 POWERTEL COMMUNICATIONS  
 SIGNED: \_\_\_\_\_  
 DATE: 24/11/2022  
 PROCUREMENT DEPT