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BURDWAN RAJ COLLEGE

(ESTD. - 1881)

UG & PG

(Govt. Sponsored)

AFTAB HOUSE ★ PURBA BARDHAMAN-713104 ★ WEST BENGAL

(A constituent college of the University of Burdwan)

Accredited by NAAC : B⁺⁺ Grade

Ref. No. BRC /

Dated, Burdwan, the.....

From :

Quotation Serial No. BRCQ 23/25

Sealed quotations are invited by the office of the undersigned within 15 days from the date of publication of this notice for purchasing 2 KV Online Ups with Installation and 2 years' onsite warranty. Technical Specifications are given below.

TECHNICAL SPECIFICATION FOR 2 KVA ONLINE UPS Systems with 30 Mins Backup		
Sl No	Technical Parameters	
1	UPS Capacity	2 kVA UPS System (1Ph Input /1Ph Output)
2	Topology	True On-line Double Coverstion UPS
3	Output power capacity	1.6 KW
4	Input	
4.1	Voltage Range	110 - 300 VAC based on the load percentage
4.2	Frequency	50 Hz
	Frequency Range	45 to 55 Hz
4.3	Power Factor	≥ 0.99 at full load and nominal input Voltage
4.5	Current THD	< 5%
5	Output	
5.1	Voltage	230 VAC
5.2	Voltage Regulation	+ / - 1%
5.3	Frequency (Free Running Mode)	50 Hz ± 0.1 Hz
	Frequency (Synchronisation Mode)	
5.4		45 to 55 Hz
5.5	Harmonic Distortion (THD)	≤ 2% (linear load)
		≤ 5% (non-linear load)
5.6	Output Waveform	Sine wave
5.7	Crest Factor	3:1
5.8	Inverter Efficiency	≥ 90%
5.9	Power Factor	0.8 Lagging
5.10	Overload	101% - 109% for 5 minutes
		110% - 129% for 1 minute
		130%-150% for 10 Sec


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5.11	System DC Voltage	≥72 VDC
6	Battery	28AH x 6 Nosx 12Volt
6.1	Battery Type	12 V Sealed Lead Acid Maintenance Free
6.2	Battery make	Exide/ quanta
6.3	Battery charging	Constant Current & Constant Voltage
6.5	Charger	Built-in solid state float-cum-equalizing charger with automatic boost / trickle charge modes with current limiting features.
6.6	VAH Required	≥ 2016
7	Efficiency	
	AC/AC (overall efficiency)	≥ 85% (at full Load)
8	Features	
8.1	Eco mode	Available
8.2	Overload capacity	Available
8.3	Converter mode	Available
8.4	Bypass parameters configurable	Available
8.5	Display	LCD Display
9	Mechanical	
	Ingress protection	IP 20
10.6	Bypass	Static Bypass
10.7	Maintenance Bypass	Available
12	Certifications	
12.1	ISO 9001 : 2015	
12.3	ISO 14001 : 2015	
12.4	ISO 45001 : 2018	
12.4	BIS Certificate	
12.5	PEP Certificate	
13	Warranty	2 Years on UPS & 2 Years on Battery from date of supply.
14	Service purpose	UPS OEM should have toll free number facilities for all type service call logging support.
15	Criteria	UPS OEM should have at least 11 own Service Centers
		UPS OEM should have 600 CR turnover consecutive last 3 financial Years
		UPS OEM should have own Factory premises in India & OEM MAF Require


 19/12/25
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