

SPECIFICATIONS OF 2X40KVA UPS WITH LOAD SHARING AND AUTO CHANGE OVER

INPUT					
Rated voltage [V]	380 / 400 / 415 three-phase + N				
Rated frequency [Hz]	50 / 60				
Voltage tolerance [V]	400 ±20% @ full load ¹				
Frequency tolerance [Hz]	40 - 72				
Power factor @ full load	0.99				
Current distortion	THDI ≤3%				
BYPASS					
Rated voltage [V]	380 / 400 / 415 three-phase + N				
Number of phases	3 + N				
Voltage tolerance (ph-N) [V]	from 180 (adjustable 180-200) to 264 (adjustable 250-264) referring to neutral				
Rated frequency [Hz]	50 or 60 (selectable)				
Frequency tolerance	±5% (selectable)				
Bypass overload	110% infinite, 125% for 60 min, 150% for 10 min				
OUTPUT					
Nominal power [kVA]	40				
Active power [kW]	40				
Power factor	1 up to 40 °C				
Number of phases	3 + N				
Rated voltage [V]	380 ¹ / 400 / 415 three-phase + N (selectable)				
Rated frequency [Hz]	50 or 60				
Frequency stability on battery operation	0.01%				
Voltage stability	±1%				
Dynamic stability	EN 62040-3 class performance 1 non-linear load				
Voltage distortion	<1% with resistive linear load / ≤1.5% with non-linear load				
BATTERIES					
Type	VRLA AGM/GEL/NiCd/Li-ion/SuperCaps				
Recharging method	One level, Two level, Cyclic recharge (selectable)				
OVERALL SPECIFICATIONS					
Weight without batteries [kg]					
CPT - ACT - XTD (10-60)	N.A				
Weight [kg] S3T (80-120)	N.A.				
Dimensions CPT (10-20) (WxDxH) [mm]	N.A.				
Dimensions ACT (10-60) (WxDxH) [mm]	NA				
Dimensions XTD (10-60) (WxDxH) [mm]	NA				
Dimensions S3T 80-120 (WxDxH) [mm]	N.A.				
Communications	UPS status led bar - Graphic touch screen display - 2 slots for communications interface USB - RS232 - Contact interface with 5x opto insulated Input and 4x Output relays				
Ambient temperature for the UPS	0 °C - +40 °C				
Recommended temperature for battery life	+20 °C - +25 °C				
Range of relative humidity	5-95% non-condensing				
Colour	RAL 7016				
Noise level at 1 m [dBA ±2] SMART ACTIVE	<40				
IP rating	IP20				
SMART ACTIVE efficiency	up to 99%				
Standards	European directives: LV 2014/35/EU low voltage Directive EMC 2014/30/EU electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant Classification in accordance with IEC EN 62040-3 (Voltage Frequency Independent) VFI - SS - 111				
Moving the UPS	Castors / pallet jack				
Parallel Kit	The proposal is for purchase of 2 UPS of same make and model installed with parallel kits. During normal operation both units should share the load equally. During failure of one unit, complete load should should be taken by other unit				



प्रसार भारती : PRASAR BHARATI
[भारत का लोक सेवा प्रसारक : INDIA's PUBLIC SERVICE BROADCASTER]
दूरदर्शन केंद्र : DOORDARSHAN KENDRA



कुडप्पनकुन्नु
तिरुवनंतपुरम- 695 043
Tel.0471-2730177
2(1)2026-27/E/DKT/STORES/

Kudappanakkunnu
THIRUVANANTHAPURAM - 695 043
Email : hooddktvm@prasarbharati.gov.in
Dated : 24.09.2026

To,
All Authorized UPS Manufacturers / Authorized Dealers

Subject: Invitation for Budgetary Quotations for Supply, Installation, Testing and Commissioning (SITC) of 2 × 40 kVA UPS Systems without Batteries at Doordarshan Kendra, Thiruvananthapuram – reg.

Sir/Madam,

Doordarshan Kendra, Thiruvananthapuram proposes to undertake the Supply, Installation, Testing and Commissioning (SITC) of 2 × 40 kVA Uninterruptible Power Supply (UPS) Systems, without batteries, along with the required accessories and associated works, for providing reliable and uninterrupted power supply to the broadcasting and technical facilities of the Kendra.

In this connection, you are requested to submit a budgetary quotation for the above work based on your latest products and prevailing market rates. The detailed technical specifications of the proposed UPS systems are enclosed herewith for your reference and necessary action. You are requested to furnish your budgetary quotation in accordance with the enclosed specifications.

The budgetary quotation should include the cost of 2 × 40 kVA UPS systems, installation, testing and commissioning, input and output cabling, protection devices, bypass arrangements, interconnections, necessary accessories, mounting arrangements, and all other items required for the complete and satisfactory installation and commissioning of the UPS systems in accordance with the enclosed technical specifications.

The cost of batteries/battery banks is not required to be included in the budgetary quotation. The quotation may also include details of the UPS make/model, rated capacity, input/output specifications, efficiency, input power factor, output power factor, THDi, overload capacity, bypass arrangement, cooling arrangement, warranty/guarantee, installation and commissioning charges, and other relevant technical and commercial details.

The budgetary quotation is being invited solely for the purpose of budget estimation and preparation of the estimate/tender documents. Submission of the quotation shall not confer any right or claim for award of the work, and Doordarshan Kendra, Thiruvananthapuram reserves the right to modify or cancel the proposal without assigning any reason.

You are requested to submit your budgetary quotation on your company's letterhead, duly signed by an authorized representative, on or before 08.10.2026 by post to the following address:

Deputy Director General (E)
Doordarshan Kendra
Kudappanakunnu P.O.
Thiruvananthapuram
Kerala – 695043

Encl.: Technical Specifications for SITC of 2 × 40 kVA UPS Systems without Batteries.

Yours faithfully,

(RAMITHA R S)
Senior Engineering Assistant (Stores)
For Deputy Director General (E)
Doordarshan Kendra, Thiruvananthapuram