



TAQANIA

Pure Sine Wave Home UPS

Available in
800VA -5kVA



FEATURES

- Single Card Reliability with DSP Technology.
- Multi Color LCD Display.
- Frequency Available : 50/60Hz.
- Smart Battery Charging with Setable all Parameters.
- Best Regulated Output.
- Sine wave Output.
- Battery Charging at Low Voltage.
- Maintain Battery Health for Longer Life.
- Easy Installation and Low Maintenance.
- Protections : RBP, OVL, BL, OBC, SC, IHV, ILV.
- Compatible with DG as an Input Source.
- Compatible for Computer Load.
- Compatible with SMF, Gel & Tubular Batteries.



Multi Color
LCD



Single Card Reliability
with DSP Technology



Battery Charging
at Low Voltage



Compatible with SMF,
GEL & Tubular Batteries



Maintain Battery
Health for Longer Life



Protection - RBP, OVL, BL,
OBC, SC, IHV & ILV

TECHNICAL SPECIFICATION

Parameters			Rating					
Model No.			TQ 1012	TQ 1212	TQ 1624	TQ 2024	TQ 3548	TQ 5048
Operating DC Voltage			12V		24V		48V	
Switching Element			MOSFET					
Charger Topology			Boost Mosfet					
Battery Capacity Max.			200AH					
DG Mode	Enable/Disable	Disable						
Parameters (Grid)					Default		Variable settable Range (Each Batt.)	
Nominal Grid Voltage			230V 1 Phase					
Nominal Grid frequency			50Hz					
Frequency Range			45-55Hz±2Hz					
Grid - Battery Charging Voltage	(TUB/SMF)		Tubular					
	TUB (Boost)		14.5V±0.2V					13.5V-15V
	TUB (Float)		13.8V±0.2V					13V-14.2V
	SMF (Boost)		13.5V±0.2V					13.5V-14.2V
	SMF (Float)		13.5V±0.2V					13.5V-14.2V
Battery Charging Method 4 Stages			Bulk/Absorption/Float/Equalize					
Grid - Battery Charging Voltage Equalize			After 30 days					NA
Grid Charging Current (Normal/Boost)			15A/18A±2A					1A-20A
Grid Low Cut Voltage	IT Mode Enable		170V±10V					
Grid Low Cut Recovery			180V±10V					
Grid High Cut Voltage			265V±10V					
Grid High Cut Recovery			255V±10V					
Grid Low Cut Voltage	IT Mode Disable		100V±10V					
Grid Low Cut Recovery			110V±10V					
Grid High Cut Voltage			290V±10V					
Grid High Cut Recovery			280V±10V					
Change Over (Battery to Mains)	IT Mode Enb./Dsb.		<5ms					
Change Over (Mains to Battery)	IT Mode Enable		<12ms					
	IT Mode Disable		<30ms					
Parameters (Battery mode)								
Output Phase			1 Phase,3 Wire					
Nominal output voltage			220V					
Output voltage range			200V-230V					
Nominal frequency			50Hz±1%					
System Rating			850VA	1050VA	1500VA	2000VA	3500VA	5000VA
Bulb Load Max. (Linear Load:Resistive + Inductive)			680 Watt	840 Watt	1200 Watt	1600 Watt	2800 Watt	4000 Watt
Battery Low Buzzer			10.8V±0.2V				Battery Low Cut+0.3V	
Battery Low Cut			10.5V±0.2V				10V-11.5V	
Battery High Cut			16.5V±0.2V				16.5V-17.5V	
Output waveform			Sinewave					
Typical efficiency (Resistive)			>80%					
Voltage Harmonic			<3% (Linear Load)					
Over Load Capacity			IT Mode Disable	>110% for 30Sec., 3 Time Auto Reset, 4th Time Shut Down				
			IT Mode Enable	>110% 1st Time Shut Down				
			>150% Output voltage decrease according to load					
Protection			Overload, Battery Low, Battery High, Output Short Ckt, Battery Reverse (Fuse blown), Over Heat @90°C±10°C , Over/Under frequency, I/P Hi, I/P Low					
LED Indication			System ON, (IT mode, SMF/TUB, Boost Chg, DG mode)Enable/Disable					
Switches			Reset for System ON/OFF, UP, Down, Back, Enter (For LCD Calibration)					
LCD Display (Multi color)			Battery Voltage, Charging Current, Grid Voltage, Grid Frequency, Output Voltage, Output Frequency, Load %, Battery Graph, Overheat , BLK/ABS/FLT					
Parameters(Environment)								
Operating temperature			0-40°C					
Cooling			Fan					
Max. relative humidity @ 25°C (non Condensing)			95%					
Noise @ 1 meter			50dB					
Standard Compliance			IP20					
Dimension (LxWxH)			260*306*116mm	260*306*116mm	260*306*172mm	266*306*214mm	311*306*298mm	336*306*388mm

*Specification are subject to change without prior notice due to constant improvement in design & technology.

FUJIYAMA POWER SYSTEMS PVT. LTD.

Corporate Office: 53A/4, 6 Rama Road Ind. Area, Near Sat Guru Ram Singh Marg Metro Station, Near NDPL Grid Office, New Delhi-110015.
For Sales - +91 9250 885 885 **For Service** - +91 8510 885 885, **For Sales Enquiry** - sales@utlups.com, **Web** : www.upsINVERTER.com
Manufacturing Unit 1 : Village Naryal, Near Sec-4 Barrier, Parwanoo, Himachal Pradesh - 173220
Manufacturing Unit 2 : Plot No.51-52, Sector- Ecotech 1 Extension 1, Greater Noida, Distt Gautam Budh Nagar, U.P.- 201 310

BATTERY CHARACTERISTICS

Model - UIT



SOLAR BATTERY RANGE

Model	Nominal Voltage	Capacity @ C20 at 27°C	Warranty*	Dimensions L x W x H ±3 mm	Container	Plate Combination	Filled Weight** ± 3%	Gross Weight** ± 3%
	V	AH	Months				Kg	Kg
UIT 1430	12	120	30 + 30*	503X190X365	IT 400	2+3	47.00	48.5
UIT 1530	12	150	30 + 30*	503x190x410	IT 500	2+3	54.70	56.50
UIT 1536	12	150	36 + 24*	503x190x410	IT 500	2+3	55.40	57.20
UIT 2036	12	200	36 + 24*	503x190x410	IT 500	3+4	62.70	64.40
UIT 2336	12	230	36 + 24*	503x190x410	IT 500	3+4	67.70	69.50
UIT 2536	12	250	36 + 24*	503x190x410	IT 500	3+4	68.30	70.20
UIT 3036	12	300	36 + 24*	503x205x410	IT 700	4+5	81.20	82.70

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* Pro-Rata Warranty.

Model - UST



SOLAR BATTERY RANGE

Model	Nominal Voltage	Capacity @ C10 at 27°C	Warranty*	Dimensions L x W x H ±3 mm	Container	Plate Combination	Filled Weight** ± 3%	Gross Weight** ± 3%
	V	AH	Months				Kg	Kg
UST 4036	12	40	36	410x172x235	N-100	2+3	22.80	24.10
UST 16536	12	165	36	503x190x410	IT 500	3+4	62.90	64.70
UST 1560	12	150	60	503x190x410	IT 500	3+4	63.40	65.20
UST 2036	12	200	36	503x190x410	IT 500	3+4	67.70	69.50
UST 2060	12	200	60	503x190x410	IT 500	3+4	70.40	72.20

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Warranty will be applicable in India.

Model - UTT



INVERTER BATTERY RANGE

Model	Nominal Voltage	Capacity @ C20 at 27°C	Warranty*	Dimensions L x W x H ±3 mm	Container	Plate Combination	Filled Weight** ± 3%	Gross Weight** ± 3%
	V	AH	Months				Kg	Kg
UTT 1072	12	100	36+36*	503X190X365	IT 400	2+3	44.20	46.50
UTT 1530	12	150	30+30*	503x190x410	IT 500	2+3	55.00	56.80
UTT 1572	12	150	36+36*	503x190x410	IT 500	2+3	55.70	57.50
UTT 2072	12	200	36+36*	503x190x410	IT 500	3+4	62.90	64.70

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* Pro-rata Warranty.

Model - UTES



INVERTER BATTERY RANGE

Model	Nominal Voltage	Capacity @ C20 at 27°C	Warranty*	Dimensions L x W x H ±3 mm	Container	Plate Combination	Filled Weight** ± 3%	Gross Weight** ± 3%
	V	AH	Months				Kg	Kg
UTES 16500	12	150	24+24*	515x275x285	N 200J	4+5	51.60	53.20

Specification Are Subject To Change Without Prior Notice Due To Constant Improvements In Design & Technology.

* 24 Months Pro-rata Warranty.

FUJIYAMA POWER SYSTEMS LTD.

Corporate Office: Plot No. 51,52 Sector, Ecotech-1, Ecotech Extn-1, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh - 201310

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