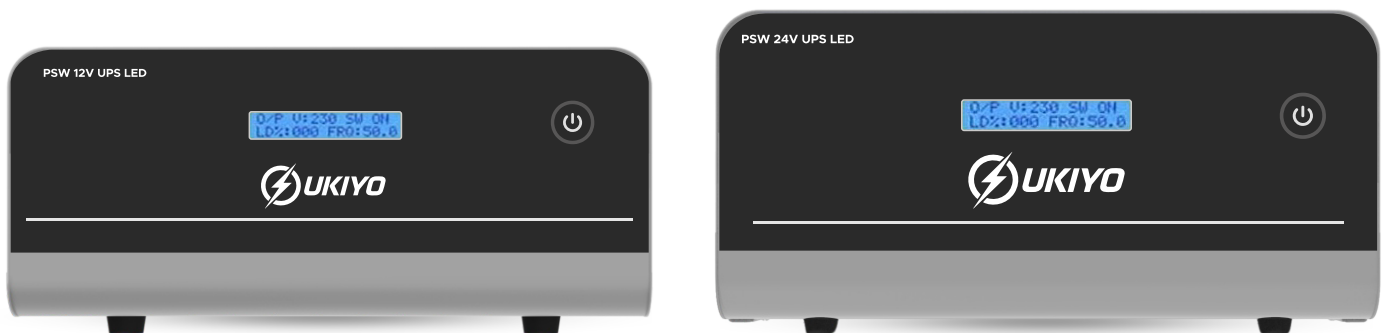




INNOVATING

Energy Storage Solutions



PURE SINE WAVE UPS ELECT SERIES 700 - 2350 (12V/24V)

Certifications

IS 16242 (PART 1) : 2014
IEC 62040-1 : 2008



R-96004146
www.bis.gov.in



WALL MOUNTED & BATTERY FRIENDLY CHARGING

STANDOUT FEATURES



1 Appliance Friendly

2 Environmentally friendly, highly efficient & minimizing carbon emissions.

3 In-house R&D with over 20 years of overall experience

4 Replacement Guarantee*

5 Cutting edge BMS, IOT & Lithium Technology

6 Elegant, Compact & Premium designs

7 In-house Isolation transformer & PCB manufacturing

8 Increase your Battery Life by 18 to 24 Months

9 Trickle charging process

*Conditions Apply

CUTTING EDGE TECHNOLOGY



LCD INTUITIVE DISPLAY AND EASY TO READ LCD INTERFACE



BATTERY FRIENDLY CHARGING



NEAR ZERO SWITCH OVER TIME BEST FOR IT EQUIPMENTS



CHARGE YOUR BATTERY BY ITS FASTER CHARGING



TECHNOLOGY DRIVEN MULTIPLE PROTECTIONS



MOST ADVANCED DSP TECHNOLOGY



TRUSTED BRAND WITH TESTED EFFICIENCY TO RUN LOAD EFFECTIVELY & EFFICIENTLY



PURE SINE WAVE TECHNOLOGY

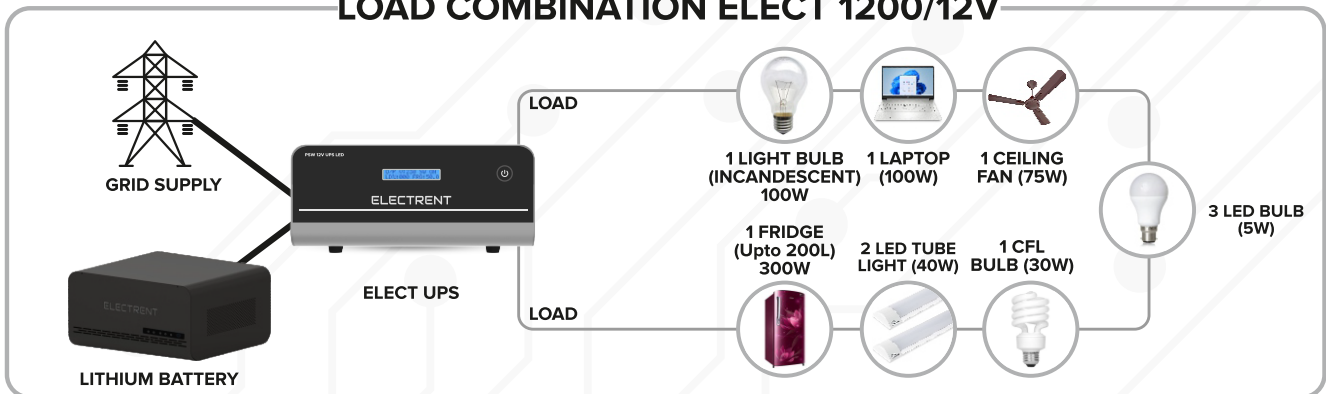


CHARGING MODE SELECTION SWITCH

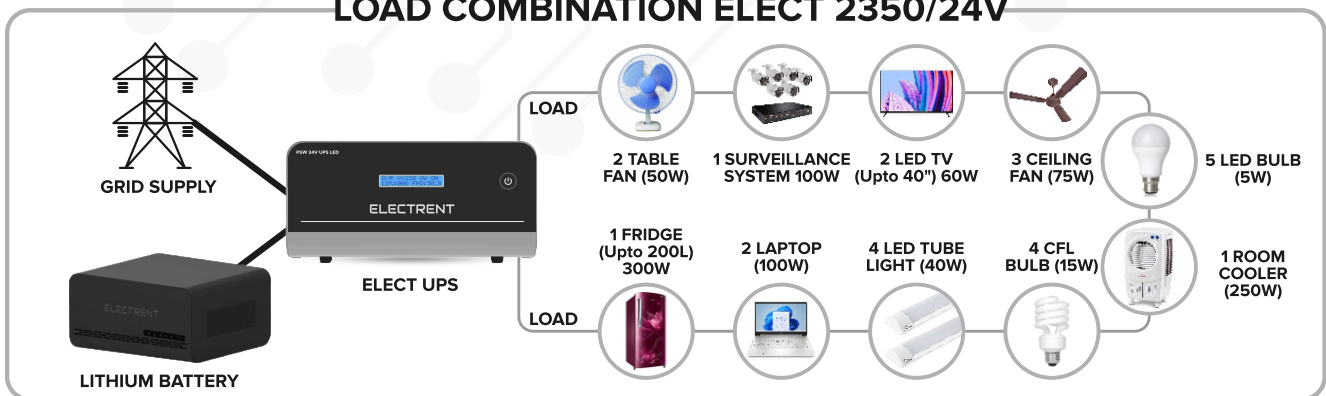
LOAD COMBINATIONS



LOAD COMBINATION ELECT 1200/12V



LOAD COMBINATION ELECT 2350/24V



PRODUCT DETAILS (700 - 1350/12V)



Front View



Back View

PRODUCT DETAILS (1800 - 2350/24V)



Front View



Back View



TECHNICAL SPECIFICATIONS



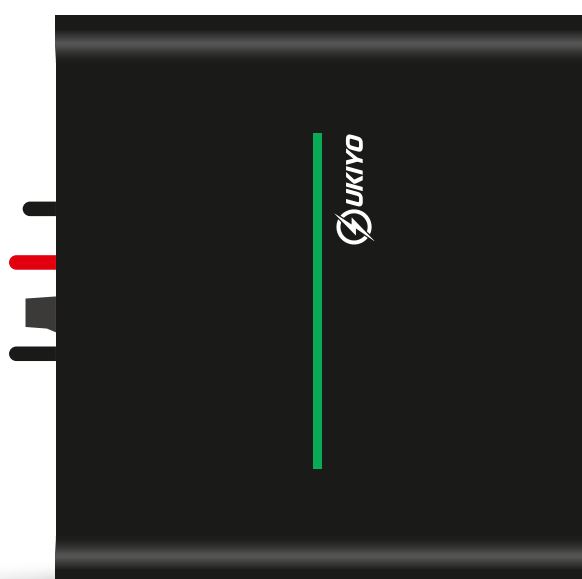
Elect Pure Sine Wave UPS			700 / 12V	850 / 12V	1050 / 12V	1200 / 12V	1350 / 12V
VA			600	750	850	1000	1200
Bulb Load			420 W	525 W	595 W	700 W	840 W
ON/OFF Switch Function							
Press the switch for 1.5 sec then system will turn ON and will become OFF with another 1.5s button press							
LED Display Features							
Mains ON		UPS ON		Low Battery	Charging	Overload	
LED / Alarm							
LED	Graphical LED		LED color / Work		Alarm		
1	Mains ON	Normal City Power	Green		No		
		Fuse Blown	Green Flashing		Yes		
2	UPS ON	Backup Mode	Pink		No		
3	Low Battery	Battery Low Warning	Blue Flashing		Yes		
		Battery Low Shut Down	Blue		Yes(Continuous ON)		
4	Charging	Battery Charging	Yellow Flashing		No		
		Battery Full Charged	Yellow		No		
5	Overload	Over Load	Red Flashing		Yes		
		Over Load After 6 retries Shut Down	Red		Yes(Continuous ON)		
		Short Circuit	Red		Yes(Continuous ON)		
Back up Mode							
Sr. no.	Parameters		Specified Value				
1	Output Voltage		220V ±15V				
2	Output Frequecy		50Hz ±0.2Hz				
3	No Load Current		<2A				
4	Discharging Current		35.5 A ±3A	43.0 A ±3A	49.0 A ±3A	58.0 A ±3A	70.0 A ±3A
5	Over Load		System Will Shut Down After 6 Retries				
6	Short Circuit		>200% Load Shut Down / Output Wire Short System Shut Down				
7	On Full Load Output Voltage		>190V				
Mains Mode							
				UPS Mode			
8	Mains Low Cut UPS		185 V ±10 V				
9	Recovery		195 V ±10 V				
10	Mains High Cut UPS		265 V ±10 V				
11	Recovery		255 V ±10 V				
				W-UPS Mode			
12	Mains Low Cut W-UPS		105 V ±10 V				
13	Recovery		120 V ±10 V				
14	Mains High Cut W-UPS		285 V ±10 V				
15	Recovery		275 V ±10 V				
Battery (Battery type - LA/TUB)							
16	Recommended Battery Capacity		100Ah - 200Ah				
17	Battery Boost TUB/SMF Type		14.5V ±0.2 V				
18	Battery Float Mode (Battery Full)		13.6V ±0.2 V (LED Full Charge Show)				
19	Battery Low Warning		10.8V ±0.2 V				
20	Battery Low Cut (Shut Down)		10.4V ±0.2 V				
21	Charging Current		12 A ±2A				
22			15A ±2A (Fast Charging)				
Protection							
23	Over Load		>100% System Will Shut Down After 6 Retries				
24	Short Circuit		System Will Shut Down 0 Retries				
25	Card Heat Protection		Heat Sink 100°C Warning (System Will Be Shut Down On Temp 110°C				
26	Battery High Voltage		>16V				
Fan Working							
27	Fan Will Be ON System Connect With Battery		For 5 Sec				
28	Fan Will Be ON After Heat Sink Temp. >54°C		Continuos ON				
29	Fan Will Be OFF After Heat Sink Temp.<44°C		Continuous OFF				
30	On > 30% Load Fan Shouldn't Continuously ON		ON				

TECHNICAL SPECIFICATIONS



Elect Pure Sine Wave UPS			1800 / 24V	2350 / 24V
VA			1500	2100
Bulb Load			1272 W	1608 W
ON/OFF Switch Function				
Press the switch for 1.5 sec then system will turn ON and will become OFF with another 1.5s button press				
LED Display Features				
Mains ON		UPS ON	Low Battery	Charging
				Overload
LED / Alarm				
LED	Graphical LED		LED color / Work	Alarm
1	Mains ON	Normal City Power	Green	No
		Fuse Blown	Green Flashing	Yes
2	UPS ON	Backup Mode	Pink	No
3	Low Battery	Battery Low Warning	Blue Flashing	Yes
		Battery Low Shut Down	Blue	Yes(Continuous ON)
4	Charging	Battery Charging	Yellow Flashing	No
		Battery Full Charged	Yellow	No
5	Overload	Over Load	Red Flashing	Yes
		Over Load After 6 retries Shut Down	Red	Yes(Continuous ON)
		Short Circuit	Red	Yes(Continuous ON)
Back up Mode				
Sr. no.	Parameters		Specified Value	
1	Output Voltage		220V ±15V	
2	Output Frequency		50Hz ± 0.2Hz	
3	No Load Current		<2A	
4	Discharging Current		53 A ±3A	67 A ± 3A
5	Over Load		System Will Shut Down After 6 Retries	
6	Short Circuit		>200% Load Shut Down / Output Wire Short System Shut Down	
7	On Full Load Output Voltage		>190V	
Mains Mode				
			UPS Mode	
8	Mains Low Cut UPS		185 V ±10 V	
9	Recovery		195 V ±10 V	
10	Mains High Cut UPS		265 V ± 10 V	
11	Recovery		255 V ± 10 V	
			W-UPS Mode	
12	Mains Low Cut W-UPS		105 V ±10 V	
13	Recovery		120 V ± 10 V	
14	Mains High Cut W-UPS		285 V ± 10 V	
15	Recovery		275 V ± 10 V	
Battery (Battery type - LA/TUB)				
16	Recommended Battery Capacity		100Ah - 200Ah	
17	Battery Boost TUB/SMF Type		29V ± 0.2 V	
18	Battery Float Mode (Battery Full)		27.2V ± 0.2 V (LED Full Charge Show)	
19	Battery Low Warning		21.6 V ± 0.2 V	
20	Battery Low Cut (Shut Down)		20.8 V ± 0.2 V	
21	Charging Current		12 A ±2A	
22			15 A ±2A (Fast Charging)	
Protection				
23	Over Load		>100% System Will Shut Down After 6 Retries	
24	Short Circuit		System Will Shut Down 0 Retries	
25	Card Heat Protection		Heat Sink 100°C Warning (System Will Be Shut Down On Temp 110°C	
26	Battery High Voltage		>32V	
Fan Working				
27	Fan Will Be ON System Connect With Battery		For 5 Sec	
28	Fan Will Be ON After Heat Sink Temp. >64°C		Continuos ON	
29	Fan Will Be OFF After Heat Sink Temp.<44°C		Continuous OFF	
30	On > 30% Load Fan Shouldn't Continuously ON		ON	

PURE SINE WAVE UPS WALL MOUNTED



UKIYO ENERGIES

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