For any Service related issue Call:
✆ Toll Free No. 1800-203-5758

EXIDE INDUSTRIES LIMITED
Manufactured by: Exide Industries Limited, India
59E Chowringhee Road, Kolkata – 700 020

PURE SINE WAVE

EXIDE

SOLAR HYBRID HOME/INDUSTRIAL UPS

USER MANUAL

*Conditions Apply

Dual Charging Option - Solar & Mains*

CODE M

Dear Customer,

Congratulations! You are now a proud owner of Exide Pure Sine Wave Solar Hybrid UPS with world's latest MOSFET based technology.

Please do spare some time to read this manual. This manual will provide you a thorough understanding of your Pure Sine Wave Solar Hybrid UPS for its optimum use. Please take the a note of installation and operating instruction in this manual carefully before installation and using your Pure Sine Wave Solar Hybrid UPS Pay special attention to the section under Precaution. In this section the manual lists out conditions and or practices which can not only result in damage to your Solar Hybrid UPS or to the other equipments but may result in personal injury or loss of life also.

Hope you shall be fully satisfied with Exide product for years to come. We value your relationship with us.

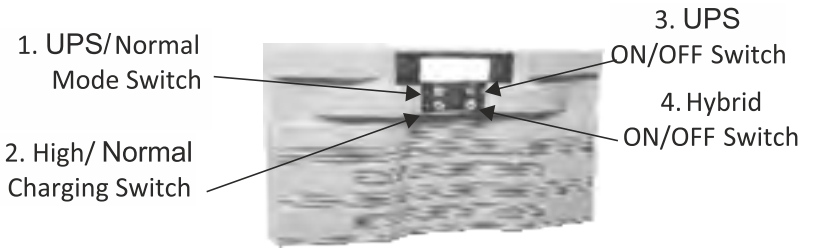
With best wishes and warm regards
Management Team
Exide Industries Ltd.

Contents

About Pure Sine Wave Solar Hybrid UPS

Let's begin the journey to explore our Solar Hybrid UPS. Solar Hybrid UPS transforms Direct Current (DC) to Alternating Current (AC). Preliminary source will be Solar power and Mains will be treated as secondary source. The Battery Bank acts as a reservoir to ensure continuous supply of power whenever mains supply from utility power is not available.

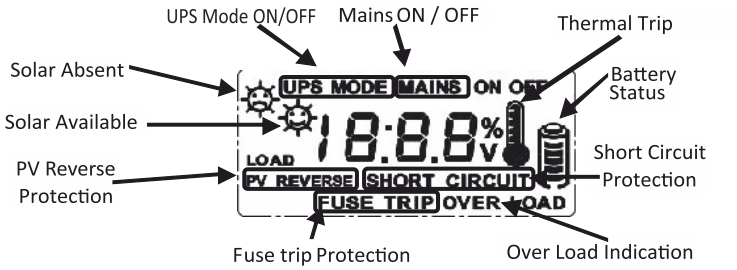
Front Panel of the Pure Sine Wave Solar Hybrid UPS



Description of Switches & LEDs on Front Panel

S No	*LED Indication*	*Function*
1	LED 3 is Glowing	System is in ON condition
	LED 3 is not Glowing	System is in OFF condition
2	LED 1 is Glowing	System is in UPS Mode
	LED 1 is not Glowing	System is in Normal Mode
3	LED 2 is Glowing	High Charging Mode is ON
	LED 2 is not Glowing	Normal Charging Mode is ON
4	LED 4 is Glowing	Solar Hybrid is ON
	LED 4 is not Glowing	Solar Hybrid is OFF

Details of LCD



(Take from Home UPS mode)

About LCD Display

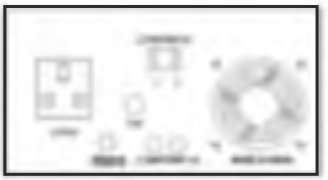
SN	Display on LCD	Indication	Action
1	'Mains ON'	Mains voltage is available	No Action required
	'Mains OFF'	Mains not available	No Action required
2	'UPS Mode ON'	UPS Mode is selected	OK- No action required
	'UPS Mode OFF'	Normal Mode is selected	OK- No action required
3	'Battery' slab increasing	Charging	OK- No action required
	'Battery' slab decreasing	Discharging	OK- No action required
	Empty 'Battery' Blinking	Battery low cut	Switch off the load and wait for mains/ solar to resume
4	'Smiling Sun'	Solar is available	OK- No action required
	'Sad Sun'	Solar is not available short circuited	OK- No action required
5	'Overload'	Inverter is overloaded >100%	Reduce the load
	'Overload'	Inverter is overloaded & tripped	Reduce the load, Switch OFF and ON again
6	'Short Circuit'	System output is short circuited	Call the nearby electrician to check the household wiring
7	'Fuse Trip'	Mains fuse trip	Reset AC Mains MCB/ fuse check
8	'PV Reverse'	Solar wire is in reverse	Interchange the wires
9	LOAD _ _ _ %	Display load %	No Action required
10	_ _ . _ V	Display Battery Voltage	No Action required
11	MAINS _ _ _ V	Display Input Voltage	No Action required

About Backlit Indication

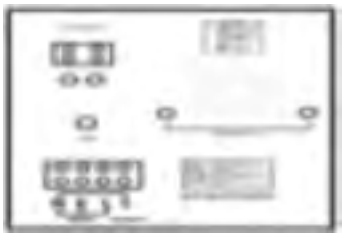
Yellow Color	For Inverter Mode or Mains not available.
Green Color	When AC mains (Utility Power) is available
Red Color	In case of any Fault/ Protection

Rear Panel of the UPS

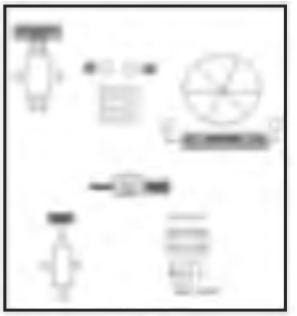
700/900/1100-12V

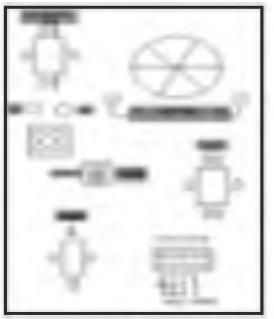


1500-24V



2200-24V





Description of Rear Panel

S.N.	Nomenclature	Functions / Remarks
1	Cooling Fan	Proper Air Ventilation of UPS
2	Mains Fuse (AC)	Input Protection from Mains Power
3	Battery (DC)	Input DC supply to UPS
4	Input Terminal / Mains Power Cord	Input Mains Power of UPS (Mains Power Cord upto solar 1500 & terminal block above solar 1500
5	Output Terminal / Output Socket	Output Power of Inverter (Socket upto solar 1500 & terminal block above solar 1500)
6	Battery Wires (+ve)	+ve Battery wires of Inverter i.e. Red Color
7	Battery Wires (-ve)	-ve Battery wires of Inverter i.e. Black Color
8	Solar Terminal (+ve & -ve)	+ve & -ve Input supply from Solar Panel

Some Measure

Important Precautions

Our Solar Hybrid UPS has two Battery terminals (Red and Black or Terminal Block (HT_2)), AC Fuse, DC MCB, AC Input and AC Output socket are also at the back panel of the Solar Hybrid UPS Red wire has to be connected to the +ve terminal of the Battery & the Black wire has to be connected to -ve terminal only. Never reverse the battery connections it will trip off the battery fuse/ DC MCB.

Cautions: Ensure that incoming phase is connected to 'L'. Neutral is connected to 'N' and earth is connected through OUTPUT socket of the Solar Hybrid UPS

General Precautions:

Read all Instructions & cautions marking on the Solar Hybrid UPS before using.

Do not expose any kind of chemicals to Solar Hybrid UPS

Disassembling the Solar Hybrid UPS without experience service person may cause electric shock or fire hazard.

Always inform the authorised persons or take it to authorised service center. Disconnect all wiring before cleaning to prevent risk of electric shock. Avoid exposing your Solar Hybrid UPS or batteries to any type of explosive gases (in the vicinity, as batteries generates explosive gases during normal operations). Provide proper vantilation to battery compartment. The battery enclosure should be designed to prevent accumulation and concentration by Hydrogen gas in the pocket at the top of the Compartment. Vent the battery compartment from the highest point. A sloped lit can also be used to direct the flow to the vent opening location to reduce the risk of battery explosion, follow all the instructions of the battery manufacturer or any other equipment you intend to use in the vicinity of batteries. Always use the correct tools to make AC/DC wiring connections. Never install the Solar Hybrid UPS near by the highly flammable objects.

Cautions:

The Solar Hybrid UPS connections should be properly grounded through permanent wiring system.

Installation should ensure that the UPS AC output should not be connected to AC input mains.

1. Before installing, connecting any wiring, or using the UPS , read all instructions of this instruction manual.

2. Never disconnect the battery cables while the UPS is delivering power or battery charger is operating. Always turn the switch OFF first and turn OFF AC mains input.

3. Do not install or connect batteries unless instructed to do so. Failing to comply with this instruction can cause damage or complete failure of the unit.

4. To reduce risk of injury, use only deep cycle lead acid battery.

5. Do not expose the system to the rain, snow or liquids of any type. Do not disassemble the system; take it to nearby our authorized service center when service or repair is required. Incorrect re-assembly may result in a risk of electric shock or fire.

6. To reduce risk of electric shock, disconnect all wiring from the system before attempting any maintenance or cleaning. Turning off the system will not reduce this risk.

7. Be extra cautious when working with metal tools on, or around batteries. The potential exist to drop a tool and short-circuit the batteries or other electrical parts resulting in spark that could cause an explosion.

8. Baking soda neutralizes lead acid battery electrolyte. Keep a supply on hand in the area of the batteries.

Personal Precautions :

1. Someone should be within range of your voice to come to your aid when you work near batteries.

2. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eyes, immediately flood eyes with running cool water for at least 15 minutes and get medical attention immediately

3. Never attempt to charge a frozen battery.

4. Before touching the battery terminal makes sure that the system front switch is OFF and an AC main to the UPS is also OFF.

5. Never smoke or allow a spark or flame in vicinity of the batteries.

6. If it is necessary to remove any battery, always remove the grounded terminal from the battery first. Make sure all the accessories are off, so as not to cause arcing.

7. Clean battery terminals. Be careful not to allow corrosion to come in contact with eyes.

8. Add only distilled water in each cell until acid reaches level specified by battery manufacturer. This helps purge excess gas from cells. Do not overfill. For a battery without caps, carefully follow manufacturer's recharging instructions

Getting Started

Environment & Location

Pure Sine Wave Solar Hybrid UPS should be installed as close as possible to the battery bank to keep the battery wires short in length. Never place the Solar Hybrid UPS in the same compartment because batteries generate gases which are very corrosive to electronic equipme nts. As it is a sophisticated device it should be kept in non -condensing, well ventilated and moisture free environment.

Important precautions

Never connect the output wiring of the UPS to the DG Set or incoming Utility wiring. This is worst situation than short circuit, however if the Solar Hybrid UPS survives this situation the system will shutdown automatically until the corrective action is taken. We suggest independen t circuit breakers (MCB/MCCB) for I/P, O/P & Solar circuit as per the capacity of the Solar Hybrid UPS

Connecting Cable Requirements-

Model/ Rating	Input/ Output Wire (in sqmm)	Battery Wire (in sqmm)	Solar Wire (in sqmm)	Earthing Wire (in sqmm)
Solar 12V 700	0.75	10	6	0.75
Solar 12V 900	0.75	10	6	0.75
Solar 12V 1100	0.75	16	6	0.75
Solar 24V 1500	1.00	10	6	1.00
Solar 24V 2200	1.50	16	6	1.50
Solar 36V 2.5KVA	2.50	16	10	2.50
Solar 48V 2.5KVA	2.50	10	10	2.50
Solar 48V 3.0KVA	2.50	16	10	2.50
Solar 48V 3.5KVA	2.50	16	10	2.50
Solar 48V 5.2KVA	6.00	25	10	6.00
Solar 96V 5.2KVA	6.00	10	10	6.00
Solar 96V 7.5KVA	10.00	16	6	10.00
Solar 120V 7.5KVA	10.00	16	10	10.00
Solar 180V 10KVA	10.00	10	10	10.00

Secure the wiring with ties or other non-conductive fasteners to prevent damages.

NOTE: There is not back feed current towards PV array.
WARNING: When sunlight is exposed on photovoltaic array, so it start supply DC Voltage to Solar Hybrid UPS.

Installation of Solar Hybrid UPS

Where to Install

The system should be installed in a location that is near to Distribution Box and meets the following requirements -

a. **Dry –** do not allow water to drip or splash on the UPS.

b. **Cool –** The ambient temp. near the system should be in between 0°C and 45° C (30 F and 113 F) the cooler environment is better for the system.

c. **Ventilated –** Allow at least 6 Inches (15 cm) of clearance around the system for air flow.

d. **Safe –** Do not install the UPS along with battery in any closed compartment without ventilation. Also, do not install the battery near to storage of inflammable gas/ liquid.

e. **Distance from the Battery –** Install the system at a safe distance from the battery as any electric spark on UPS fuse or output/ input, connection may get in touch with the explosive gases of the battery which may cause fire. **EXIDE** will not be responsible for any damage due to this.

CAUTION! TO PREVENT FIRE, DO NOT COVER OR OBSTRUCT VENTILATION OPENINGS. DO NOT INSTSALL THE SYSTEM IN A ZERO-CLEARANCE COMPARTMENT. OVER HEATING MAY RESULT.

How to install

DC Cabling

1. Ensure that the ON/OFF switch on the front panel of the UPS is in the OFF mode before you begin the installation.
2. Connect the (-ve) te rminal of the battery to the Black wire (-ve) of the system and then connect the (+ve) terminal of the battery to the Red wire (+ve) of the system. It is advised not to use any other extra cable for batteries not other than those supplied by the company.
3. Connect +ve and –ve wires from Solar Panel to +ve and –ve terminals respectively available on the back panel of UPS.

AC Cabling

Plug in the power cord to the mains socket on the wall. The cabling should have proper earthing. Connect AC input supply to the 3 way terminal of the system such that the line is connected to 'L' neutral is connected to 'N' and earth is connected to 'E'. AC input supply should remain ON once the system is installed. Take output from 16A output socket available at back panel.

Start Operation

Once the AC and DC wiring have been completed and connected, take a moment to re-examine all the connections and make sure they are secured and in the proper terminals.

1. Switch ON the UPS. The system should run a load without AC input (battery only). Place a load on the system and make sure it works.
2. To charge the batteries, connect mains cord to the mains socket & check the connection of wires from Solar PV panel and turn it ON. Battery BAR running upward on LCD indicates the charger is working properly. AC load connected to the UPS should also work at this time since the AC power fed to the load is passed through the UPS in both (Normal and High) modes.
3. Disconnect the AC power. The UPS will transfer the supply to the load from Mains to Battery mode immediately. This will be indicated by Battery BAR running downward on LCD with clicking sounds as the internal relay changes its connection. The system will began to take power from the batteries and use it to power the load uninterruptedly.

The above steps will comple te a functional test of the UPS. If all steps passed, the system is ready for use. If any steps fail, figure out the reason before preceding and contact to the service support.

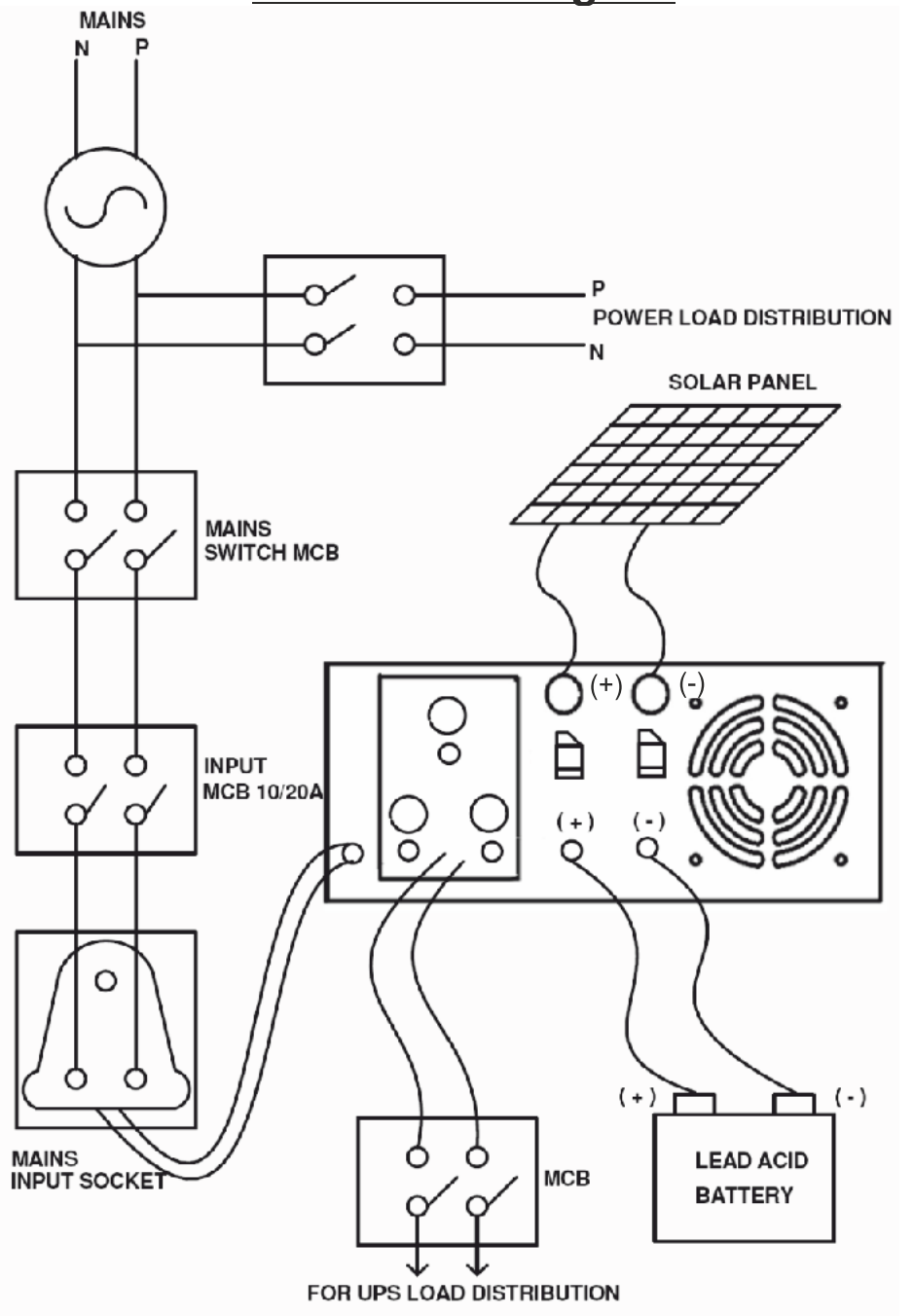
Note:-

Fuses and disconnect must be sized to protect the wiring in the system. The fuse has to be blown before the wire reaches its maximum current carrying capacity.

Application*

✶Power Backup for House Hold as well as Computers.
✶Emergency Power System.
✶Small Water Pumps and all motor based application.
✶TV Set, Fan, Tube Light, CFL etc.
* Condition Apply

Installation Diagram



Technical Specifications*

TECHNICAL SPECIFICATONS														
Model	**700**	**900**	**1100**	**1500**	**2200**	**2.5KVA**	**3.0KVA**	**3.5KVA**	**5.2KVA**	**5.2KVA**	**7.5KVA**	**7.5KVA**	**10KVA**	**10KVA**
Back-up Mode														
Ouput Wave Shape	Pure Sine Wave													
Nominal Battery Voltage	12V DC			24V DC		48V DC				96V DC		120V DC		180V DC
No Load Output Voltage	220V ± 7V AC													
Output Frequency	50Hz ± 1Hz													
No Load Battery Current	≤ 2.2Amp					≤ 2.0Amp								
Max. Discharging Current (DC)	41A ± 1A	53A ± 1A	65A ± 1A	46A ± 1A	81A ± 1A	49A ± 1A	55A ± 1A	59A ± 1A	100A ± 1A	49A ± 1A	75A ± 1A	65A ± 1A	75A ± 1A	48A ± 1A
Battery Low Alarm	10.8V ± 0.2V / Battery													
Battery Low Cut OFF	10.5V ± 0.2V / Battery													
Max. Output Current (AC)	6A			10A	12A	20A	25A		40A		63A			
Inrush Current (AC) ± 1A	7A			11A	13A	21A	26A		41A		64A			
Max. Output Power	650VA	850VA	1050VA	1450VA	2KVA	2.5KVA	3.0KVA	3.5KVA	5.2KVA	5.2KVA	7.5KVA		10KVA	10KVA
Power Factor	0.8													
Max. Output Over Current Protection	>6A			>10A	>12A	>20A	>25A		>40A		>63A			
Mains Mode														
Recommended Nominal Mains Input	220V AC, 50Hz													
Max. Charging Current (HC) ± 1A	15A	17A	18A	17A	20A	15A			22A	15A	18A			
Max. Charging Current (NC) ± 1A	11A	12A	13A	12A	14A	12A			18A	12A	14A			
Mains Low Voltage Charge Facility	Available					NA								
Battery Boost Voltage	14.4V ± 0.2V / Battery													
Battery Float Voltage	13.7V ± 0.2V / Battery													
Input Frequency	50Hz ± 1Hz													
Max. Input Current (AC)	6A			10A	12A	20A	25A		40A		63A			
Normal Mode (Mains Mode)														
Mains Input Voltage Range	90V - 300V ± 10V AC					100V - 280V ± 10V AC								
Change Over Time (Mains to Back-up)	< 40msec													
Change Over Time (Back-up to Mains)	< 10msec													
UPS Mode (Mains Mode)														
Mains Input Voltage Range	180V - 270V ± 10V AC					180V - 260V ± 10V AC								
Change Over Time (Mains to Back-up)	< 10msec													
Change Over Time (Back-up to Mains)	< 10msec													
Solar Mode														
Rating of Solar Charge Controller	12V 30A			24V 30A	24V 50A	48V 50A				96V 50A	96V 70A	120V 50A	120V 70A	180V 50A
Max. Charging Current by Solar (± 2A) Isc	30 A			50A							70A	50A	70A	50A
Solar Input Range (Voc)	16V - 25V			32V - 50V		64V - 100V				128V - 200V	130V-190V	160V - 250V		240V - 375V
PV Vmax.	25V			50V		100V				200V	190	250V		375V
Recommended Solar Input	450W			900W	1500W	3000W				6000W	7500W		10500W	11250W
Efficiency of Solar Charge Controller	≥ 95%													
Charge Sharing Option	Available													
Type of Solar Charge Controller	True Hybrid													
Protections														
Overload Retry	6 Auto Retries													
Battery Retry	4 Auto Retries													
Short Circuit Retry	Available													
Protections	Short Circuit Trip, Overload Trip, Battery Low & Over Charge Protection, Over Temperature, AC Fuse Blown/ MCB trip, PV Reverse, Reverse Current Flow etc.													
Display														
Display	Mains Input Voltage, Battery Voltage, Applied Load in %age, Battery Charging/ Charged, Battery Low/ Over Charge, Short Circuit, Overload, Over Temperature, AC Fuse Blown/ MCB Trip, PV Reverse, Solar ON/ OFF etc.													
Other Details														
Pollution Degree	2													
Max. Altitude Rating	2000 Meters													
Environmental Category	IP 20 (Indore Use)													
Relative Humidity	75% Maximum													
Over Voltage Category	OCV II													

Trouble Shooting

Problems/ Symptoms	Condition/ Protection	Probable Root Cause	Recommended Solution
No Indication on LCD	Not ON Condition	1. Discharged Batter	1. New/ Charged Battery Recommended
		2. Lose Battery Connection	2. Battery Connections Should be Proper
		3. Battery Fuse Blown	3. Check DC Fuse & Replace if found faulty
"OVERLOAD" with Buzzer & Red Backlight of LCD	Overload Protection	Excess Load Applied	Reduced Applied Load
"SHORT CIRCUIT" with Buzzer & Red Backlight of LCD	Short Circuit Protection	Short Circuit in Household Wiring	Call Electricain for Checking & Switch OFF the UPS
"THERMOMETER" Symbol with Buzzer & Red Backlight of LCD	Over Temperature Protection	UPS is under Thermal Trip/ Shutdown	Call for Service Support
"FUSE TRIP" with Buzzer & Red Backlight of LCD	AC Fuse Blown/ AC MCB Trip	AC Fuse Blown/ AC MCB Trip	Replace AC Fuse/ Reset AC MCB and reduce excess load connect at Mains Mode
"Lo" with Buzzer & Red Backlight of LCD	Battery Low Pre Alarm	Weak Battery Condition	Recharge the Battery
"BATTERY SYMBOL EMPTY" with Buzzer & Red Backlight of LCD	Battery Low Cut Off	Battery Low Cut Off	Switch OFF the UPS and Allow to Charge the Battery when Mains is resumed
"PV REVERSE" with Buzzer & Red Backlight of LCD	PV Reverse Protection	Connected PV in Reverse Polarity	Check Solar Connections & Reconnect in Correct Polarity

- Buzzer will sound only when the UPS switch is in ON condition.

SOLAR PWM Model Range	Solar Charge Controller Capacity	Operating Range V_{mp}	Solar Panel Rating	Panel Configuration		String Vmp	Total Wp
				Series	Parallel		
2200VA 24V	50 AMP	29V-42V	335	-	5	-	**1675**
2.5KVA 48V	50 AMP	60V-84V	335	2	5	75.64	**3350**
3.5KVA 48V	50 AMP	60V-84V	335	2	5	75.64	**3350**
5.2KVA 48V	70 AMP	60V-84V	335	2	8	75.64	**5360**
5.2KVA 96V	50 AMP	120V-150V	335	4	5	151.28	**6700**
7.5KVA 96V	70 AMP	130V-190V	335	5	5	190.50	**8375**
7.5KVA 120V	50 AMP	150V-170V	335	4	5	151.28	**6700**
10KVA 120V	70 AMP	150V-170V	335	4	8	151.28	**10720**
10KVA 180V	50 AMP	225V-255V	335	6	5	226.92	**10050**

Remark:- Always use Solar Panel as per recommended V_{mp} range only .

TRI STATE OF CONTROL LOGIC OR SAVING MODE

PH-0 HYBRID MODE: -

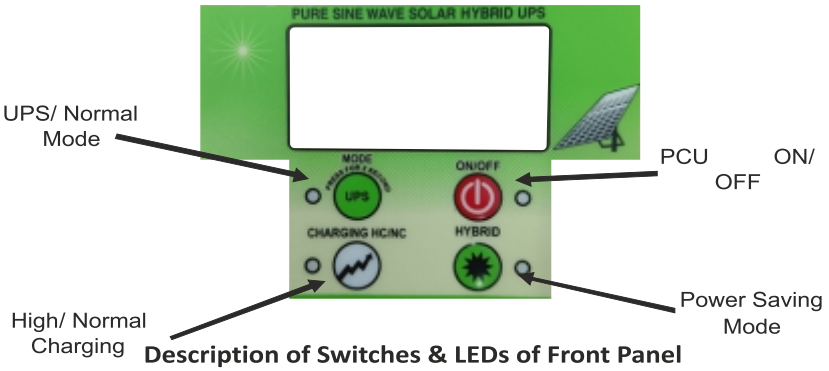
Hybrid Mode enables the Battery charging with maximum current available from Solar as well as Grid Power. Charging Current Limit in this mode is equal to Solar Charging Current set. If the Solar available is less than the Solar charging current limit then remaining current is fed to the battery through Grid power. In Hybrid Mode Load is never shift to Solar and only Battery charging is done from solar. This mode is recommended where Power cut is for very long duration of time (More than 10 Hrs).

PL-1 LIGHT MODE: -

In Light mode the load is shift to Solar i.e. load is running through Inverter using Solar Power and Grid is deliberately cut off to maximize energy savings. The Load is shift to Solar when Extra Solar Current is greater than 4A (Total Solar Available - Solar Charging Current) and Battery Voltage is Greater than (Set Max Battery Voltage-0.5V) or Battery is full charged and System is ON thus saving the Grid power and make use most use of solar power. Battery Charging is shared by solar & Grid. This mode is recommended where Power cut is moderate. (5-6Hrs)

PU-2 ULTRA MODE: -

This mode is same as Light mode with extra added feature of no charging from grid power. In this mode the Battery charging is done from Solar only and Charging from grid is disabled. The Grid charging is enabled only when battery voltage meets the battery low cut voltage with Maximum grid charging current till the battery voltage is 12.2V (per battery). After that Grid charging is disabled. This mode is recommended where Power cut is very less. (Less than 2 Hrs).



Description of Switches & LEDs of Front Panel

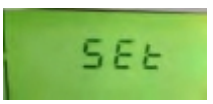
Power Saving LED off	PH-0 mode active
Power Saving LED blinking	PL-1 mode active
Power Saving LED glow	PU-2 mode active

Parameter Setting Display

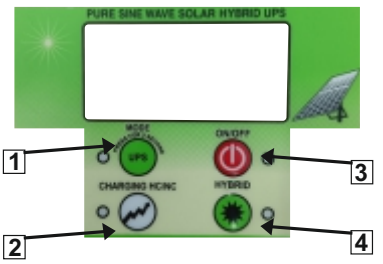
Users/ Dealers can set Critical parameters at the time of installation depending upon the grid power and solar power availability and battery Ah conditions.

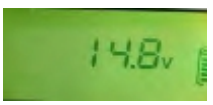
Below steps to be followed to set up parameters: -

1. Press switch 1 and hold till display SET appears.
2. Now Press switch 1 for next parameter and switch 2 for previous.
3. For setting parameter press switch 3 to increase and switch 4 to decrease.
4. Press switch 1 to save all parameters.
5. Press switch 1 again to come out from setting mode.



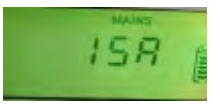
Set parameter start display



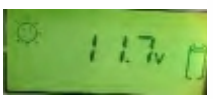


Battery boost voltage display

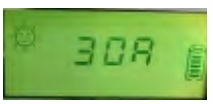
Battery low cut display



Maximum mains charging current display



Solar battery low cut display



Maximum solar charging current display

End display and save

FIRMWARE DETAILS

MODEL	FIRMWARE REV NO.
EXIDE 700 SH PST UPS	EIL_SP1.0K_012V-REV 1.0
EXIDE 900 SH PST UPS	EIL_SP1.0K_012V-REV 1.0
EXIDE 1100 SH PST UPS	EIL_SP1.0K_012V-REV 1.0
EXIDE 1500 SH PST UPS	EIL_SP2.0K_024V-REV 1.0
EXIDE 2200 SH PST UPS	EIL_SP2.0K_024V-REV 1.0
EXIDE 2.5 KVA 48V SH DSP PST UPS	EIL_SP5.2K_048V-REV 1.0
EXIDE 3.0 KVA 48V SH DSP PST UPS	EIL_SP5.2K_048V-REV 1.0
EXIDE 3.5 KVA 48V SH DSP PST UPS	EIL_SP5.2K_048V-REV 1.0
EXIDE 5.2 KVA 48V SH DSP PST UPS	EIL_SP5.2K_048V-REV 1.0
EXIDE 5.2 KVA96V SH DSP PST UPS	EIL_SP5.2K_096V-REV 1.0
EXIDE 5.2 KVA 96V SH PST UPS	EIL_SP5.2K_096V-REV 1.0
EXIDE 7.5 KVA 96V SH PST UPS	EIL_SP7.2K_096V-REV 1.0
EXIDE 7.5 KVA 120V SH PST UPS	EIL_SP7.2K_0120V-REV 1.0
EXIDE 10KVA 120V SH PST UPS	EIL_SP10K_0120V-REV 1.0
EXIDE 10KVA 180V SH DSP PST UPS	EIL_SP10K_0180V-REV 1.0

SAFETY MEASURES

DO NOT MIX WITH OTHER WASTES FOR DISPOSAL

To prevent possible harm to the environment or human health this product should not be disposed with other waste. Household users should contact either their retail seller or local government office for safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract for proper disposal.

TERMS OF WARRANTY

This **Exide Solar Hybrid UPS** has WARRANTY against manufacturing defects arising out of faulty or defective materials or workmanship for a period of 24 Months from date of purchase. (Please note that plastic / rubber parts are not covered under this warranty)

Should a defect develop in this equipment during the period of warranty, **EXIDE** undertakes to get the equipment repaired FREE OF COST. However, if the purchaser has to shift his residence to another town on account of transfer or other causes, the warranty benefit will be available at the nearest **EXIDE** authorized distributor / service centre. **EXIDE** or its authorized distributor / service centre reserves the right to retain any part or component replaced at its discretion in the event of defect noticed in the equipment during the warranty period.

This warranty is not valid in case of any of the following events:

● The equipment is not used according to the instructions given in the user's manual ● The warranty will not apply to defects arising in company's opinion by reasons of accident, abuse, misuse, neglect, improper installation (if not undertaken by the company or its representative), fire, flood, or other act of GOD and any other natural calamities. Any other unauthorised repairs done or carried out will have to be borne by the purchaser. The problem of fuse blown will not be included in the warranty of the product. The services given for the same will be a paid service ● The company in no way will be held liable for any loss or injury or damage caused to any form of life for any reason whatsoever ● The warranty will not apply if the original seals are found broken or tampered with ● All disputes are subject to the jurisdiction Kolkata only

For after sales service : contact

Toll Free No. 1800-203-5758

EXIDE

WARRANTY CARD

24 Months WARRANTY

MODEL : ______________________

Serial No. : ______________________

Warranty is void if the above Serial Number differs from the Serial Number on the UPS

Customer's Name : ______________________

Address : ______________________

____

Dealer's Name : ______________________

Date of Purchase : ______________________

Dealer's Signature & Stamp

Customer's Signature

CONDITIONS OF WARRANTY

- The warranty will not apply to defects arising in company's opinion by reasons of accident, abuse, misuse, neglect, improper installation (if not undertaken by the company or its representative), fire, flood, or other act of GOD and any other natural calamities. Any other unauthorised repairs done or carried out will have to be borne by the purchaser. The problem of fuse blown will not be included in the warranty of the product. The services given for the same will be a paid service
- This warranty is not valid if the Serial Number and or Warranty Seal of the UPS has been deleted, defected or altered.
- The warranty card should accompany the UPS if service under warranty period is required to be carried out of the company's / authorized dealer center.
- Any accessories (like battery, battery trollay, LED/LCD, plastic parts or any houselold goods etc.) connected to the system will not be cover under warranty.
- If the system is purchased from unauthorized source / dealer, the warranty will be null & void for lodging any claim. Customer have to produce the warranty card & invoice in original.
- The warranty will not apply if the original seals are found broken or tampered with
- All disputes are subject to the jurisdiction Kolkata only