

LED INDICATIONS

Mains OK Discharging/ Discharged Charging/ Charged

MAINS OK LED



When green LED is continuously on that means mains(grid) is available



When green LED is off that means mains is not available or not in the range.

DISCHARGING/DISCHARGED



When Blue LED is Blinking that means battery is Discharging.



When Blue LED is continuously glowing, it means battery fully Discharged

CHARGING / CHARGED LED



When yellow LED is blinking that means battery is **Charging**

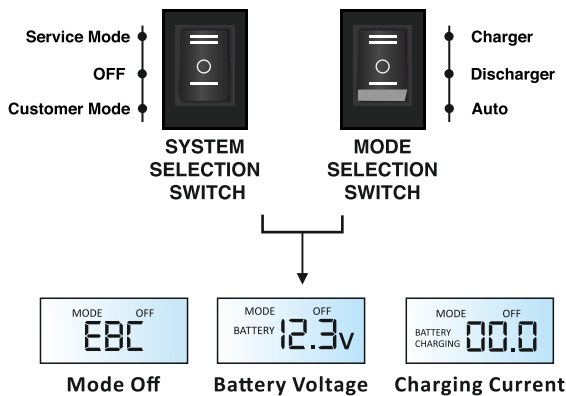


When yellow LED is continuously glowing, it means battery fully **Charged**

LCD INDICATIONS

OFF MODE

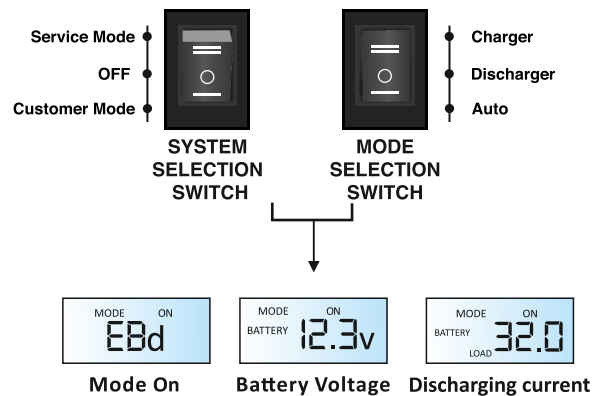
► When SYSTEM SELECTION Switch is OFF



EBC = Electric Battery Charger Mode

DISCHARGER MODE

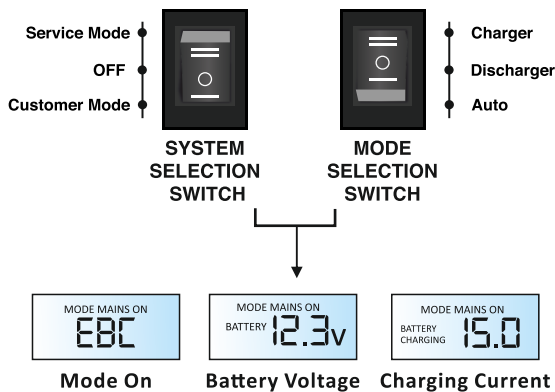
► When SYSTEM SELECTION Switch is AT SERVICE/ CUSTOMER MODE



Ebd = Electric Battery Discharger Mode

CHARGER MODE

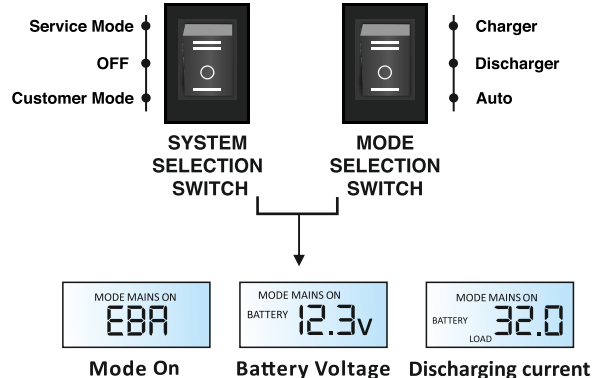
► When SYSTEM SELECTION Switch is AT SERVICE/ CUSTOMER MODE



EBC = Electric Battery Charger Mode


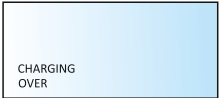

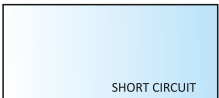

AUTO MODE

► When SYSTEM SELECTION Switch is AT SERVICE/ CUSTOMER MODE



EBA = Electric Battery Auto Mode

Protections Troubleshooting

LCD DISPLAY	PROTECTION	REMEDY / RECTIFICATION
	Battery Over Voltage	<ol style="list-style-type: none"> 1. Disconnect charger from battery and remove grid Supply then re-install charger If again same problem found then check your battery is OK or not 2. Call authorized service engineer.
	Battery Over Charging	<ol style="list-style-type: none"> 1. Disconnect charger from battery and remove grid Supply then re-install charger, If again same problem found then call authorized service engineer.
	Over Temperature	<ol style="list-style-type: none"> 1. Check fan is running or not. 2. Place this charger in proper ventilated area and do not place it in high ambient. 3. Wait for some time, charging automatic start, If problem not resolved then call authorized service engineer.
	Short Circuit	<ol style="list-style-type: none"> 1. Make sure battery wire is not shorted. 2. Reset from System Selection ON/Off switch or Reset from battery, If again same problem found then call authorized service engineer.
	DC Fuse Trip/ No Battery	<ol style="list-style-type: none"> 1. Check dc fuse. if found faulty then replace. 2. Check battery connection done properly or battery connected to the system.

Charging Timer (Minutes)



Discharging Timer (Minutes)

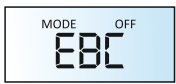
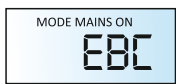
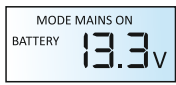
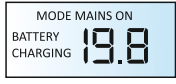
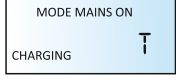
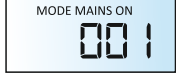
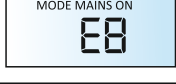



*Please note that after 999 minutes it's display counter starts again from 001. But wifi SD card data keeps data in Continuation


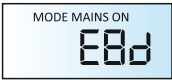
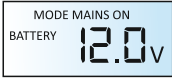
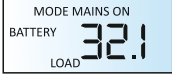
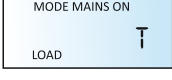


Battery Testing process using Revival Pro Charger Dis-charger

Here different test profiles process explained for test the battery using Revival Pro. Before start the Testing, read this document for understand the switch selection for particular test profile. On the basis of switch selection state different test profiles explained below.

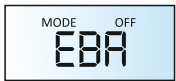
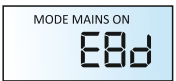
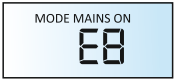
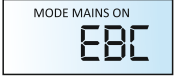
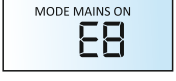
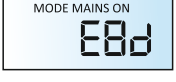
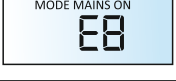
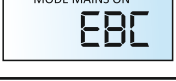
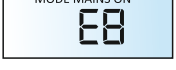
Test Profile-1 :

Mode Selection Switch state CHARGER	System Selection Switch state SERVICE / CUSTOMER
	<p>Before select the required test state, user need to select default state of switch. Default state of system selection switch is OFF and mode selection switch is CHARGER. During default state display shows as given.</p> <p>EBC = Electric Battery Charger Mode</p> <p>If the display shows EBC, it means that the current selected cycle charger is selected.</p> <p>If the display shows MODE OFF, it means that the system selection switch is in the OFF state. The battery does not charge during the OFF state.</p>
<ul style="list-style-type: none"> As per need select the system selection switch either service state or customer state, the revival pro starts the charging of the battery. User can set battery charging current by circular knob in the range 4A to 20A. During battery charging, CHARGING LED blinks. If mains available then Mains OK LED continues glow. Display data scroll at particular interval as given below. 	
	If the display shows MODE MAINS ON, it means that the system selection switch is except OFF state and mains is available.
	If the display shows as given, it means live battery voltage is 13.3V.
	If the display shows as given, it means charging current is 19.8A.
	If the display shows as given, it means next upcoming display data will be charging time in minutes.
	If the display shows as given, it means charging time is 001 minute.
	Once battery charged then CHARGING LED continues glow and display shows EB instead EBC.
	Display shows as given, it means battery charged and charger profile completed.

Test Profile-2 :


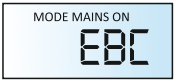
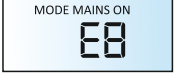
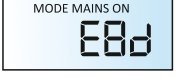
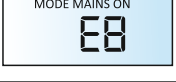
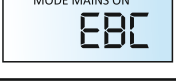
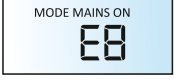
Mode Selection Switch state DISCHARGER	System Selection Switch state SERVICE / CUSTOMER
	<p>Before select the required test state, user need to select default state of switch. Default state of system selection switch is OFF and mode selection switch is DISCHARGER. During default state display shows as given.</p> <p>EBd = Electric Battery Discharger Mode</p> <p>If the display shows EBd, it means that the current selected cycle discharger is selected. If the display shows MODE OFF, it means that the system selection switch is in the OFF state. The battery does not discharge during the OFF state.</p>
<ul style="list-style-type: none"> As per need select the system selection switch either service state or customer state, the Revival Pro starts the discharging of the battery. During battery discharging, DISCHARGING LED blinks. If mains available then Mains OK LED continues glow. Display data scroll at particular interval as given below. 	
	If the display shows MODE MAINS ON, it means that the system selection switch is except OFF state and mains is available
	If the display shows as given, it means live battery voltage is 12.0V.
	If the display shows as given, it means discharging current is 32.1A.
	If the display shows as given, it means next upcoming display data will be discharging time in minutes.
	If the display shows as given, it means discharging time is 005 minute.
	Once battery discharged then DISCHARGING LED continues glow and display shows EB instead EBd. Here EB shows because discharger profile completed.

Test Profile-3 :

Mode Selection Switch state AUTO		System Selection Switch state SERVICE
 <p>Before select the required test state, user need to select default state of switch. Default state of system selection switch is OFF and mode selection switch is AUTO. During default state display shows as given. EBA = Electric Battery Auto Mode If the display shows EBA, it means that the current selected mode auto is selected. If the display shows MODE OFF, it means that the system selection switch is in the OFF state. The battery does not charge and discharge during the OFF state.</p>		
<ul style="list-style-type: none"> As per need select the mode selection switch in auto state and system selection switch in service state. After switch selection the Revival Pro automatically run four cycles in the following manner. 		
Display Data	Battery Test Cycles	Remarks
	Discharger Cycle 1	Starts with battery discharging cycle and cycle run until battery does not discharged.
	10 Minute Rest Time	10 minute rest time run once battery discharged. During rest time display shows as given.
	Charger Cycle 1	Battery charging cycle run until battery does not charged.
	6 Hour Rest Time	6 hour rest time run once battery charged. During rest time display shows as given.
	Discharger Cycle 2	Battery discharging cycle run until battery does not discharged.
	10 Minute Rest Time	10 minute rest time run once battery discharged.
	Charger Cycle 2	Battery charging cycle run until battery does not charged.
	6 Hour Rest Time	6 hour rest time run once battery charged. After completion of rest time, auto service mode profile goes completed.

- During charging cycle display data is as shows in above Test Profile-1 display data.
- During discharging cycle display data is as shows in above Test Profile-2 display data

Test Profile-4 :

Mode Selection Switch state AUTO		System Selection Switch state CUSTOMER
 <p>Before select the required test state, user need to select default state of switch. Default state of system selection switch is OFF and mode selection switch is AUTO. During default state display shows as given. EBA = Electric Battery Auto Mode If the display shows EBA, it means that the current selected mode auto is selected. If the display shows MODE OFF, it means that the system selection switch is in the OFF state. The battery does not charge and discharge during the OFF state.</p>		
<ul style="list-style-type: none"> As per need select the mode selection switch in auto state and system selection switch in customer state. After switch selection the Revival Pro automatically run three cycles in the following manner. 		
Display Data	Battery Test Cycles	Remarks
	Charger Cycle 1	Revival Pro starts with battery charging cycle and cycle run until battery does not charged.
	6 Hour Rest Time	6 hour rest time run once battery charged. During rest time display shows as given.
	Discharger Cycle 2	Battery discharging cycle run until battery does not discharged.
	10 Minute Rest Time	10 minute rest time run once battery discharged.
	Charger Cycle 2	Battery charging cycle run until battery does not charged.
	6 Hour Rest Time	6 hour rest time run once battery charged. After completion of rest time, auto customer mode profile goes completed.

- During charging cycle display data is as shows in above Test Profile-1 display data.
- During discharging cycle display data is as shows in above Test Profile-2 display data.

Revival Pro Charger Dis-charger

Test Profile Name	Step-1 (Default)	Step-2	Step-3	Battery Test Cycles	Remarks
	System Selection Switch state	Mode Selection Switch state	System Selection Switch state		
Auto Service	OFF	Auto	Service	<ul style="list-style-type: none"> ✓ Discharging Cycle 1 ✓ 10 min. Rest time ✓ Charging Cycle 1 ✓ 6 Hour Rest time ✓ Discharging Cycle 2 ✓ 10 min. Rest Time ✓ Charging Cycle 2 ✓ 6 hour Rest time 	Auto service profile starts with discharging cycle 1. All cycles runs automatically one by one. 6 hour rest time runs once charging cycle 2 completed. After completion of rest time, auto service mode profile goes completed.
Auto Customer	OFF	Auto	Customer	<ul style="list-style-type: none"> ✓ Charging Cycle 1 ✓ 6 Hour Rest time ✓ Discharging Cycle 2 ✓ 10 min. Rest Time ✓ Charging Cycle 2 ✓ 6 hour Rest time 	Auto customer profile starts with charging cycle 1. All cycles runs automatically one by one. 6 hour rest time runs once charging cycle 2 completed. After completion of rest time, auto customer mode profile goes completed.
Charger Service	OFF	Charger	Service	✓ Charging Cycle 1	After charging cycle 1, charger service mode profile goes completed.
Charger Customer	OFF	Charger	Customer	✓ Charging Cycle 1	After charging cycle 1, charger Customer mode profile goes completed.
Discharger Service	OFF	Discharger	Service	✓ Discharging Cycle 1	After Discharging cycle 1, Discharger Customer mode profile goes completed.
Discharger Customer	OFF	Discharger	Customer	✓ Discharging Cycle 1	After Discharging cycle 1, Discharger Customer mode profile goes completed.

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