

LED Miners Cap Lamps

SMARTLITE-L



FEATURES :

- Safe and Reliable
- Ergonomic, Smaller Size and Lighter in Weight
- Modular Assembly with Tamper Proof Design
- Intrinsically Safe
- Short Circuit Protector
- Over Charge & Over Discharge Cut off
- Low Voltage Alert in Headpiece
- Constant Bright LED Light
- Maintenance Free
- Environment Friendly
- Weatherproof IP65
- Suitable for Methane Environment
- Auxiliary LED for Emergency Escape
- Charging Status Indicator in Headpiece

SMARTLITE-L

LED Caplamp with Lithium Ion Battery.

SMARTLITE-L LED Caplamp for Mines has DGMS Approval No SA-2/2013.

This new generation caplamp manufactured by Industrial Precision Products, 2nd Floor, 62/1A, Netaji Subhas Road, Kolkata - 1, uses Lithium Ion Battery as its power supply and the product is equipped with advanced integrated circuit control system. This portable caplamp provides light in all kinds of hazardous atmospheres including mines. It combines ergonomics, lightness and enhanced illumination and is capable of enduring the hard and challenging working conditions inside the mines.

Features:

A) Safe and Reliable : Intrinsically Safe and Explosion Proof -meets the relevant International Standards. The Caplamp is equipped with circuit protection which prevents overcharge and short circuit. The short circuit protector also has recovery function. This ensures an absolutely safe and reliable working condition for users.

B) Ergonomic Design Light Weight : Smartlite-L lamps have modular assembly with tamperproof design. The battery is innovatively shaped, which perfectly fits the user's waist. Compared with the traditional lead-acid Caplamp weighing 2.4Kgs the weight of SMARTLITE is only 550gms – reducing the load to be carried by miners and enhancing his comfort and efficiency.

C) Longer Working Period and Brighter Illumination : SMARTLITE Caplamps are capable of operating for more than 12 hours after it is fully charged and provide consistent bright illumination of more than 6,000 lux for the entire duration of use. Brighter illumination adds to better working conditions and makes the workplace safer.

D) Maintenance Free and Environment Friendly : LiOn Batteries provided in these lamps do not leak acid unlike conventional lead-acid batteries and the lamps require no maintenance, other than periodic charging.

E) Weatherproof Design : SMARTLITE-L Caplamps have a high water and dust ingress protection confirming to IP-65 standards.

F) Low Battery Indicator & Extended Period - Suppose the miner takes an uncharged cap lamp underground and during use the battery becomes low then a red indicator light inside the headpiece will start glowing to warn the miner. Now if the miner is unable to come up and continues to use the cap lamp then after some time the main LED light will automatically switch over to the auxiliary LED mode to continue giving light to the miner with reduced illumination and enable the battery to run for a more prolonged period.

G) Suitable for use in Methane Environments : SMARTLITE-L uses proven and established LiOn battery which is very stable and safe.

H) Emergency Rescue Feature : SMARTLITE-L Caplamps have Auxiliary LED for emergency escape light. This LED will give light for more than 24hours on a fully charged battery.

I) Charging : SMARTLITE-L Caplamps are to be charged in dedicated Exide Chargers. To show the charging status there is a special LED indicator light inside the headpiece of the 'Smartlite-L' Cap Lamp. This will glow red when the cap lamp is charging and turn green when the cap lamp is fully charged.

Notice :
Any dismantling or parallel connection is prohibited. In all inquiries please mention the batch number. The firm and its agents / distributors bear no responsibilities in case of improper use of the Caplamp and our liability is limited to the cost of the cap lamp.

Technical Specifications - Model: SMARTLITE-L

| PARAMETERS | Our LiOn Cap Lamp | Remarks | (Comparative) Lead Acid Cap Lamp |
|--------------------------------|-------------------|-------------------------|----------------------------------|
| 1. Battery Voltage | 3.7 V | LiOn | 4 |
| 2. Battery Capacity | 5 Ah | More Capacity | 16 |
| 3. Discharge Time | 16 Hours | Greater working period. | 8 |
| 4. Lux at distance of 1 metre. | >6000 Lux | Many times more light | 800 |
| 6. LED Bulb Voltage | 3.6 V | Standard | 4 |
| 7. LED Bulb Current | 350 mA | Standard | 1 |
| 8. Led Bulb Life | > 50,000 Hours | Lifelong | 400 (Average) |
| 9. Weight of Cap Lamp | 0.550 kg | Less weight. | > 2.4 Kg |
| 10. Life of Battery | 1100 cycles | Long Life | |



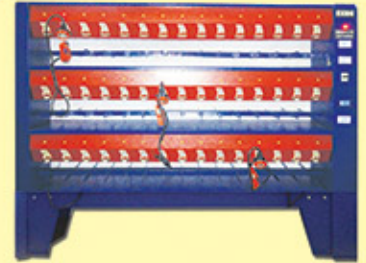
CHARGING ASSESSORIES



120 TYPE RACK CHARGER

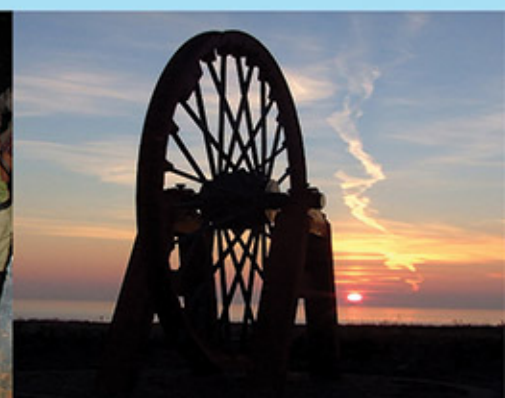
- No of positions : 20 point x 3 rows x 2 sides (120 positions)
- Charging indication : Indicator Light with "OFF" and "CHARGING" and "FULLY CHARGED" for all 120 positions
- Top Frame : Digital Input Voltage Display
- Output Connections : Built-in-charging clip-key assembly (120 positions)

Also available in 30, 60 Point Charger Rack



SINGLE TYPE CHARGER

- Input : 220 / 240 V AC
- Output : Charging clip-key assembly
- Indicator : RED to show charging
GREEN to show fully charged





For further details, please contact :

EXIDE INDUSTRIES LIMITED

Oldham Division

6A, Hatibagan Road, Entally, Kolkata - 700 014
Phone : 033 - 22843168-3169 Fax : 033 - 2289 7455

BRANCH OFFICES :

BILASPUR OFFICE

Exide Industries Ltd, Oldham Division
House No. 277, Tilak Nagar,
Chata Para, Bilaspur - 495 001,
Chattisgarh.
Mob. : 09424140504

DHANBAD OFFICE

Exide Industries Ltd, Oldham Division
B. P. Agarwalla's Building,
P.O. Dhansar, Dist. Dhanbad,
Jharkhand - 828 106
Mob. : 09431913696, 09431191126

RAMGARH OFFICE

Exide Industries Ltd, Oldham Division
P.O. Ramgarh Cantt,
Opp. Ramgarh Rly. Station,
Dist. Hazaribagh, Jharkhand - 829 122.
Mob. : 09431913696

DISHERGARH OFFICE / DEPOT

Exide Industries Ltd, Oldham Division
Oldham Division, P.O. Dishergarh,
Dist. Burdwan, West Bengal - 713 333.
Mob. : 09431191126, 9434741126
9434707518

NAGPUR OFFICE

Exide Industries Ltd, Oldham Division
Mount Hotel Annexe, Mount Road Extension,
P.O. Box No. 79, Nagpur - 440 001
Maharashtra.
Mob. : 09422801840

SECUNDERABAD OFFICE

Exide Industries Ltd, Oldham Division
Plot No. 98, 106 & 107 1st Floor,
Tadbund Cross Road,
Opp. IBP Petrol Bunk,
Secunderabad - 500 009 (A.P.)
Mob : 09422801840