



# OORJA ON MOVE

Bridging the Gap Between Surface and Underground

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# MINER CAP LAMP



## DIGITAL & WIRELESS CAP LAMP



Water Proof



Explosion Proof



Dust Proof

Over Charge &  
Discharge Protection



Short Circuit Protection



Over heat Protection



# OOM4.5LM DIGITAL CORDLESS MINER LAMP



OOM4.5LM miners cap lamp uses the advanced light source -1 watt 120 lumens high power white LED, and designed with high propriety rechargeable li-ion battery. It has a digital screen to show product number, time and battery balance ,and it will remind the user to recharge it when not enough power.



## Features:

- **Reliability:** The high strength case, bulletproof glass lens , optimized structure design and MCU control make the product more reliable.
- **Safety:** All in One case with PC plastic material , make very good fixture of explosion-proof, protection in electrical short-circuit, automatic power off on the short-circuit, 100,000hours LED's lifetime.
- **Efficiency:** more than 15 hours working time, max 7000 lux for lighting degree, battery usage lifetime 1000 cycles.

# OOM4.5LM DIGITAL CORDLESS MINER LAMP



## Safe & Portable



## Digital device

Show lamp number, time and battery balance.  
Remind user to recharge when power is not enough



Switch for lamp

Switch for digital device



# OOM6LM DIGITAL CORDLESS MINER LAMP



OOM6LM wireless inductive cap lamp is designed to be widely used in mines, construction site, emergency rescue and other outdoor activities.



- **Reliability:** High impact resistant, water proof and corrosion proof with matte transparent PC housing and bullet proof lens.
- **Safety:** High IP Grade with All-in-one intrinsic safety design and compact structure: With over-charge & over-discharge protection for battery.
- **Energy Saving:** In same brightness, the LED can save 70% energy compared with traditional light source.
- **Economy:** Long lifespan LED: maintenance free. Battery can be used for 1000 cycles.
- **Environmental:** High performance and green-environmental Lithium battery; Low self-discharge rate and no memory effect.
- **Portability:** Small size and light weight make it comfortable to wear. Safety assurance, simple charging and easy operation make it win praise from miners and major mining companies.

# FEATURES OF OOM6LM LAMP



## WIRELESS INDUCTIVE CHARGING

The cap lamp is charged by inductive signal. Under the conditions of old-style charging, plug is faced with aged and damaged problems after a long time usage, and dust also may enter into the charging hole. Anyway, wireless magnetic inductive charging will be more waterproof and have longer lifetime.



## PRACTICABLE CONFIGURATION

<MULTI-FUNCTIONAL OLED DISPLAY>



Because miner can't carry the cellphone and watches in the mines, OLED display can help miners to know data, time and the remaining battery power at any time. It can make the miners feel more safe and relax in the mine.

# HIGH LUMINANCE

<THREE LUMINANCE LEVELS >



The maximum continuous  
lighting time reaches

**100** HOURS

## MAIN LED FULL BRIGHT

15000lux output , lighting time is 13 hours

## BACKUP LED BRIGHT

lighting time is 100 hours

## MAIN LED HALF BRIGHT

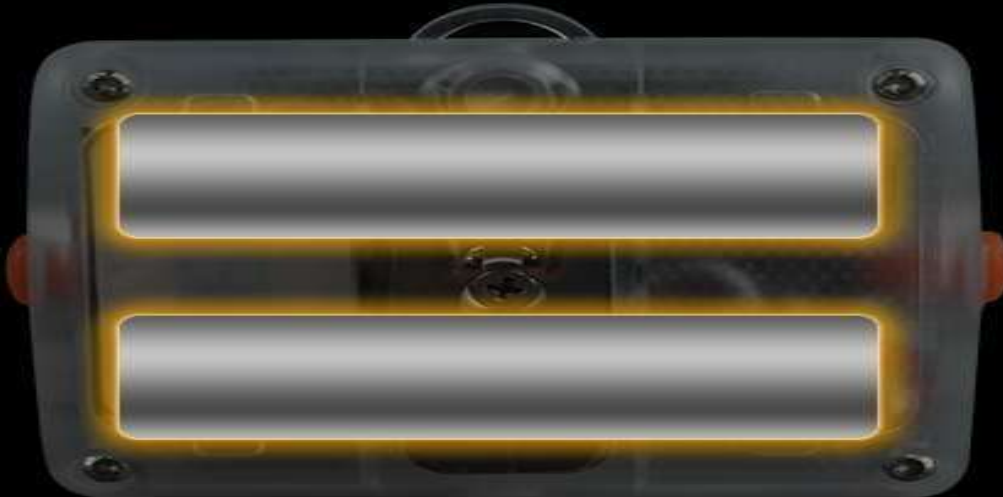
8000lux output, lighting time is 26 hours

## STRONG LIGHT FLASHES

long press for 3 second, strong light flashes



# CHARGING OPTIONS



**6600MAH LI-ION  
BATTERY**

LIGHT WEIGHT, NO-POLLUTING

**6 HOURS**  
FULL CHARGED

**MULTIPLE CHARGING METHOD**



AC ADAPTER



BATTERY BANK



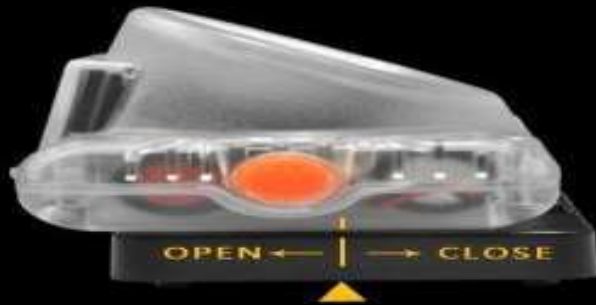
LAPTOP



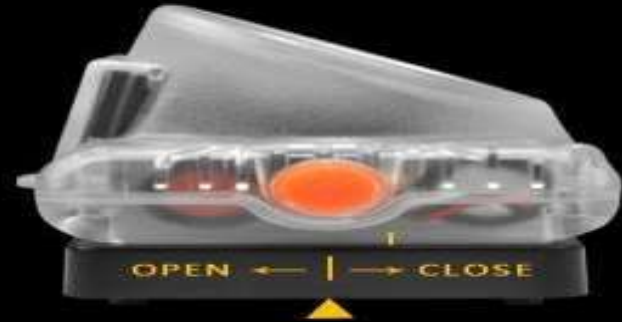
# EASY CHARGING METHOD



## <HOW TO CHARGE>



1. Put the lamp on the charger, and align the line on lamp to the Centre line on charger



2. Slide the lamp as the 'close' direction to lock the lamp with charger well



Non-ultraviolet, infrared and thermal radiation; High efficiency and energy saving, low power consumption; eye-protecting, no flicker, no glare and brightness uniformity; super long lifetime; impact resistance

# WATERPROOF AIR BREATHER



WATERPROOF AIR BREATHER



VISION.6  
WATERPROOF AND  
BREATHABLE

The air pressure will have too much difference in deep mine or high mountain the air pressure which inside and outside the lamp, to make sure the lamp can work normally in deep mine or high mountain mine.

# TECHNICAL SPECIFICATION FOR 4.5LM



Parameters		Unit	Value
Light source	LED Power	W	1
	Luminous flux	Lm	>120
	Life time	hour	>50,000
Li-ion battery	Rated capability	mAh	4500
	Rated voltage	V	3.7
	Continuous working time	hour	>15
	Charging time	hour	<6
	Life time	cycle	1000
Charging voltage and current		4.9V@1A	
lamp lighting degree (distance 1 meter)		Lux	Max 7000
Accessory light Usage life hour		hour	1,00,000
Working temperature		°C	-20°C ~ 40°C
Highest surface temperature		°C	≤50°C
Short circuit protect time		ms	<15
Dimension		mm	77*61*55
Weight (with battery)		g	<215
IP Grade		IP65	

# TECHNICAL SPECIFICATION FOR 6LM



Parameters		Unit	Values
Light source	LED power	W	1
	Luminous flux	Lm	15,000
	Life time	hour	100,000
Battery	Rated capacity	mAh	6600
	Rated voltage	V	3.7
	Charging time	hour	≤8
	Life time	cycle	1000
Charger	Input voltage	V	AC100~240
	Output voltage	V	DC 5
	Output current	A	1.5
Lighting time	High bright	hour	13
	Half bright		26
	Backup light		100
Lighting distance		m	200
Working temperature		°C	-20°C~40°C
Highest surface temperature		°C	≤50°C
Dimension		mm	90×73×64
Weight (with battery)		g	209
IP Grade		IP67	

# CAP LAMP MODELS WITH CORD



**OOM5LM( C )**



**OOM5LM( D )**

## ■ **MODEL: OOM5LM(C) & (D)**

- OOM5LM(C)/(D) 15000LUX cap lamp with low power indication
- OOM5LM(C) with Mechanical twist switch
- OOM5LM(D) with push button switch
- 7.8Ah li-ion battery ,more than 15 hours lighting
- Ex mark: Exia IIB T4
- Protection Class: IP68

## ■ Application:

Mining, Electric power plant, railways, oil plant, dockyards  
Police, firefighting, military, Patrol, overhaul, repair, etc.



# CAP LAMP MODELS WITH CORD



## ■ MODEL: OOMG5

- OOMG5 15000lux mining light with low power indication and battery b
- 1W 150lm main light, 6pcs SMD auxiliary light
- with low power indicator to remind the user to recharge it or change to auxiliary light and leave from the work place



## ■ MODEL: OOMG5

LED light source	:	CREE
Power Source	:	Rechargeable Battery
Battery Type	:	Li-ion battery
IP Rating	:	IP68
Certification	:	ATEX
Lamp Body Material	:	PC
Warranty(Year)	:	1
Lamp Power(W)	:	1
Battery capacity	:	7.8Ah
Battery type	:	li-ion battery
Charging time	:	8-9H
Lighting degree	:	15000 lux

# CAP LAMP MODELS WITH CORD



## ■ **MODEL:OOM2M**

- Cordless and portable mining cap lamp
- 1W 80 lumens main light and 6pcs backup light, more than 4000lux
- 2.2Ah Li-ion battery, more than 15hours lighting



## ■ **MODEL:OOM2.5M**

- Mini miner cap lamp
- 80 lumens main light and 6pcs backup light
- 2.8Ah li-ion battery, more than 15 hours lighting



## ■ **MODEL:OOM5LM**

- 1W 4000 lux brightness cord cap lamp with 6 pcs SMD led
- 5 Ah li-ion battery, more than 16 hours lighting



Thank you!

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