

Anti-explosion LED lithium mining light KL2.5LM (A)



BGE

KL2.5LM(A) is designed based on GB7957-2003, < General requirements for safety of cap lamp >, small, light, convenient to carry, long using life, high lighting, maintenance-free, safe and less wasting, etc.

If the main power source is broken or running time is over, slide the switch to another position, the auxiliary power source would provide emergency power for the miners.

The auxiliary power source can provide more than 60 hours.

This light have lithium battery inside, set a protecting circuit for over-charge, over-discharge, over-heat, extending the battery's using life.

Charging time less than 8 hours.

Main technical parameters

No.	Specifications of mining light	Details	
1	Rated voltage	3.7V	
2	Rate capacity	2.5Ah	
3	Lighting hours	≥11	
4	Max illuminance	At beginning	≥3000 lx
5	at one meter	After 11hours	≥2000 lx
6	The life span of battery	≥500 times(charging to discharging)	

Using environment and work condition

a).the environment temperature:-5℃~+40℃

b).the air relative humidity (RH) less than 95%(when the temperature is 25℃)

c).the atmospheric pressure is between 80 and 106kpa.

Anti-explosion LED lithium mining light KL2.5LM (B)



BGE

KL2.5LM(B) is designed based on GB7957-2003, < General requirements for safety of cap lamp >, small, light, convenient to carry, long using life, high lighting, maintenance-free, safe and less wasting. etc.

If the main power source is broken or running time is over, slide the switch to another position, the auxiliary power source would provide emergency power for the miners.

The auxiliary power source can provide more than 60 hours.

This light have lithium battery inside, set a protecting circuit for over-charge, over-discharge, over-heat, extending the battery's using life.

Charging time less than 8 hours.

Main technical parameters

No.	Specifications of mining light	Details	
1	Rated voltage	3.7V	
2	Rate capacity	2.5Ah	
3	Lighting hours	≥11	
4	Max illuminance	At beginning	≥3000 lx
5	at one meter	After 11hours	≥2000 lx
6	The life span of battery	≥500 times(charging to discharging)	

Using environment and work condition

a).the environment temperature: -5℃~+40℃

b).the air relative humidity (RH) less than 95%(when the temperature is 25℃)

c).the atmospheric pressure is between 80 and 106kpa.

Anti-explosion LED lithium mining light KL2.5LM (C)



BGE

KL2.5LM(C) is designed based on GB7957-2003, < General requirements for safety of cap lamp >, This kind of light is set into the helmet directly. Small, light, convenient to carry, long using life, high lighting, maintenance-free, safe and less wasting. etc.

If the main power source is broken or running time is over, slide the switch to another position, the auxiliary power source would provide emergency power for the miners.

The auxiliary power source can provide more than 60 hours.

This light have lithium battery inside, set a protecting circuit for over-charge, over-discharge, over-heat, extending the battery's using life.

Charging time less than 8 hours.

No.	Specifications of mining light	Details	
1	Rated voltage	3.7V	
2	Rate capacity	2.5Ah	
3	Lighting hours	≥11	
4	Max illuminance at one meter	At beginning	≥3000 lx
5		After 11hours	≥2000 lx
6	The life span of battery	≥500 times(charging to discharging)	

Using environment and work condition

a).the environment temperature:-5℃~+40℃

b).the air relative humidity (RH) less than 95%(when the temperature is 25℃)

c).the atmospheric pressure is between 80 and 106kpa.

Anti-explosion LED lithium mining light KL4LM (A)



BGE

KL4LM(A) is designed based on GB7957-2003, < General requirements for safety of cap lamp >, small, light, convenient to carry, long using life, high lighting, maintenance-free, safe and less wasting. etc.

If the main power source is broken or running time is over, slide the switch to another position, the auxiliary power source would provide emergency power for the miners.

The auxiliary power source can provide more than 60 hours.

This light have lithium battery inside, set a protecting circuit for over-charge, over-discharge, over-heat, extending the battery's using life.

Charging time less than 8 hours.

Main technical parameters

No.	Specifications of mining light	Details	
1	Rated voltage	3.7V	
2	Rate capacity	4Ah	
3	Lighting hours	≥16-30	
4	Max illuminance at one meter	At beginning	≥3000 lx
5		After 16hours	≥2000 lx
6	The life span of battery	≥500 times(charging to discharging)	

Using environment and work condition

a).the environment temperature: -5℃~+40℃

b).the air relative humidity (RH) less than 95%(when the temperature is 25℃)

c).the atmospheric pressure is between 80 and 106kpa.

Anti-explosion LED lithium methane alarm mining lighting KLW6LM(A)



BGE

KLW6LM(A) is designed based on GB7957-2003, < General requirements for safety of cap lamp >, small, light, convenient to carry, long using life, high lighting, maintenance-free, safe and less wasting. etc. If the main power source is broken or running time is over, slide the switch to another position, the auxiliary power source would provide emergency power for the miners.

The auxiliary power source can provide more than 60 hours.

This light has a lithium battery inside, set a protecting circuit for over-charge, over-discharge, over-heat, extending the battery's using life.

Charging time less than 8 hours.

There is also set a methane alarm system, when turn on the light, the methane test circuit will begin to work..

Main technical parameters

No.	Specifications of mining light	Details	
1	Rated voltage	3.7V	
2	Rate capacity	6Ah	
3	Lighting hours	≥16-30	
4	Detection range	0~3%CH ₄	
5	Alarm point	1.0%CH ₄	
6	Alarm point permissible error	±0.1%CH ₄	
7	Response time	20s	
8	Max illuminance	At beginning	≥3000 lx
9	at one meter	After 16hours	≥2000 lx
10	The life span of battery	≥500 times(charging to discharging)	

Using environment and work condition

a).the environment temperature:-5℃~+40℃

b).the air relative humidity (RH) less than 95%(when the temperature is 25℃)

c).the atmospheric pressure is between 80 and 106kpa.

Anti-explosion coal mine electric drill ZM25J



ZM25J Anti-explosion coal mining electric drill is used in those mine which is in danger of methane or smut explosion. It is a handheld drill machine which is used for drilling medium hard coal and hard coal and incompetent bed. It have some special merit of low waste, high efficiency, strong power, long using time, etc.

Main technical parameters

No.	Specifications of drill	Details
1	Electric motor rated delivered power	2.5KW
2	Electric motor rated voltage	127KV
3	Electric motor rated current	16A
4	Electric motor rated frequency	50HZ
5	Electric motor rated speed	2820r/min
6	Electric motor insulation grade	B
7	Coal electric drill principal axis rated speed	520r/min
8	Electric motor phases	three phase
9	Coal electric drill principal axis rated torque	40N.m
10	Diameter of bore	30-42mm

Anti-explosion coal mine electric drill ZM12



BGE

ZM12 series of coal mine electric drill is an anti-explosion equipment, which conforms to GB3836-2-83, it is used in those mine which is in danger of methane or smut explosion. It is a handheld drill machine which is used for drilling medium hard coal and hard coal and incompetent bed. It have some special merit of low waste, high efficiency, strong power, long using time, etc.

The main parameter and characteristic

No.	Specifications of drill	Details
1	Electric motor rated delivered power	1.2KW
2	Electric motor rated voltage	127KV
3	Electric motor rated current	9A
4	Electric motor rated frequency	50HZ
5	Electric motor rated speed	2820r/min
6	Electric motor insulation grade	B
7	Coal electric drill principal axis rated speed	630r/min
8	Electric motor phases	three phase
9	Coal electric drill principal axis rated torque	22.5N.m
10	Diameter of bore	33~45mm

Anti-explosion coal mine electric drill ZM12T



BGE

ZM12T series of coal mine electric drill is an anti-explosion equipment, which conforms to GB3836-2-83, it is used in those mine which is in danger of methane or smut explosion. It is a handheld drill machine which is used for drilling medium hard coal and hard coal and incompetent bed. It has some special merit of low waste, high efficiency, strong power, long using time, etc.

The main parameter and characteristic

No.	Specifications of drill	Details
1	Electric motor rated delivered power	1.2KW
2	Electric motor rated voltage	127KV
3	Electric motor rated current	9A
4	Electric motor rated frequency	50HZ
5	Electric motor rated speed	2820r/min
6	Electric motor insulation grade	B
7	Coal electric drill principal axis rated speed	520r/min
8	Electric motor phases	three phase
9	Coal electric drill principal axis rated torque	22.5N.m
10	Diameter of bore	33~45mm

Anti-explosion coal mine electric drill ZM15T



BGE

ZM15T series of coal mine electric drill is an anti-explosion equipment, which conforms to GB3836-2-83, it is used in those mine which is in danger of methane or smut explosion. It is a handheld drill machine which is used for drilling medium hard coal and hard coal and incompetent bed. It has some special merit of low waste, high efficiency, strong power, long using time, etc.

Main technical parameters

No.	Specifications of drill	Details
1	Electric motor rated delivered power	1.5KW
2	Electric motor rated voltage	127KV
3	Electric motor rated current	10.5A
4	Electric motor rated frequency	50HZ
5	Electric motor rated speed	2820r/min
6	Electric motor insulation grade	B
7	Coal electric drill principal axis rated speed	520r/min
8	Electric motor phases	three phase
9	Coal electric drill principal axis rated torque	22.5N.m
10	Diameter of bore	33~45mm

Anti-explosion coal mine electric drill ZMS15T



BGE

ZMS15T series wet handheld coal mine electric drill is an anti-explosion equipment, which conforms to GB3836-2-83, it is a kind of dl anti-explosion electric equipment. It is used in those mine which is in danger of methane or smut explosion. It is a handheld drill machine which is used for drilling medium hard coal and hard coal and incompetent bed. It has some special merit of low waste, high efficiency, strong power, long using time, etc.

Main technical parameters

No.	Specifications of drill	Details
1	Electric motor rated delivered power	1.5KW
2	Electric motor rated voltage	127KV
3	Electric motor rated current	10.5A
4	Electric motor rated frequency	50HZ
5	Electric motor rated speed	2820r/min
6	Electric motor insulation grade	B
7	Coal electric drill principal axis rated speed	520r/min
8	Electric motor phases	three phase
9	Coal electric drill principal axis rated torque	27.5N.m
10	Diameter of bore	33~45mm

Handheld air drill ZQHS-30/1.7



BGE

ZQHS-30/1.7 Handheld rig is designed based on MT/T994-2006. It is pushed to drill the coal rock by workers.. There is an acoustical damper on the outlet in order to Reduce noise. This design can reduce the labor force, increasing the efficiency.

Main technical parameters

No.	Specifications	Unit	Details			
1	rated torque	N.M	25	30	35	
2	rated speed	r/min	500	530	560	
3	Max output power	kw	1.3	1.7	2.0	
4	Max Load torque	N.M	28	33	38	
5	Power start torque	N.M	30	35	40	
6	Power Stall torque	N.M	32	37	42	
7	Unload speed	r/min	900	1000	1100	
8	1/2 unload speed	r/min	450	500	550	
9	Torque under 1/2 unload speed	N.M	26	31	36	
10	Noise	Voltage side	dB(A)	95	97	100
		Power side	dB(A)	100	102	105

Mining light charging rack CTJ-104WZ



CTJ-104WZ mining light charging rack is made up of power source line, shell, circuit board etc. There is a LCD monitor, LED double color indicator outside the shell in order to show people the Charging Process. Red light means in charging, green light means the charging process is over. There also have been set a short circuit protecting circuit, this system will cut off the power source automatically once the short circuit happened, it will make safe.

Charging rack main **technical parameters**

No.	Specifications of charging rack	Unit	Details
1	Rated input voltage	V	AC 100-225
2	Constant Input rated voltage	V	DC 5
3	Constant Input rated current	A	104*1

Using environment and work condition

- the environment temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- the air relative humidity (RH) less than 95%(when the temperature is 25°C)
- the atmospheric pressure is between 80 and 106kpa.

Exploder FD-50-200D



FD-50-200D mining exploder is a power switching devices, which is used to detonate electric detonators, with advantage of low waste, high power, can be worked under those mine well which is in danger of methane,gas,etc.

production standard:GB/T7958-2000,Q/RD003-2008

Item \ type	FD-50	FD-100	FD-150	FD-200
Rated number of detonation	50	100	150	200
Rated load resistance	320	620	920	1220
Peak voltage	900	1900	2400	3200
Max open-circuit voltage	6V	6V	6V	6V
Max short-circuit current	5A	5A	5A	5A
Conduction testing Loop current	6-20mA	6-20mA	6-20mA	6-20mA
Specifications and type of battery	1# dry cell voltage 1.5v			
Number of battery	4pcs	4pcs	4pcs	4pcs
Charging time	≤10s	≤20s	≤20s	≤20s
Safety power time	≤4ms	≤4ms	≤4ms	≤4ms
Ignition Impulse	8.7<A<12.0	8.7<A<12.0	8.7<A<12.0	8.7<A<12.0
Length of allowing external bus	≤300m	≤300m	≤300m	≤300m
Bus distributed inductance	≤0.1mH/km	≤0.1mH/km	≤0.1mH/km	≤0.1mH/km
Bus Distributed capacitance	≤0.1μF/km	≤0.1μF/km	≤0.1μF/km	≤0.1μF/km