

KBL121500 12V 150Ah



The KAISE LONG LIFE Series 10 years has been designed for different applications, such as UPS, electric and telecommunications applications that require a long useful life.



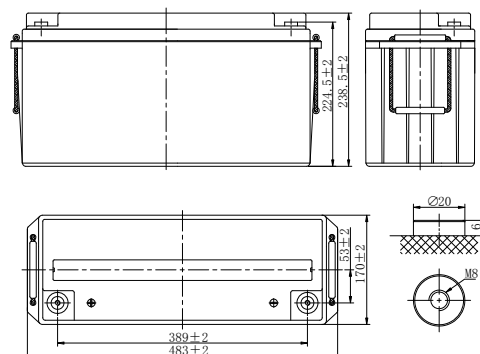
Performance Characteristics

Nominal Voltage	12V		
Dimensions	Length (mm / inch)	483 / 19.09	
	Width (mm / inch)	170 / 6.69	
	Height (mm / inch)	238.5 / 9.39	
	Total Height (mm / inch)	238.5 / 9.39	
	Approx. Weight	(Kg / lbs)	47.2 / 104.8
Design Life	10 years		
Terminal	M8		
Container Material	ABS		
Rated Capacity	160.5Ah / 8.03A	(20hr, 1.80V / cell, 25°C / 77°F)	
	150.0Ah / 15.0A	(10hr, 1.80V / cell, 25°C / 77°F)	
	130.5Ah / 26.1A	(5hr, 1.75V / cell, 25°C / 77°F)	
	93.0Ah / 93.0A	(1hr, 1.60V / cell, 25°C / 77°F)	
Max. Discharge Current	1500A (5s)		
Internal Resistance	Approx 3.5 mΩ		
Operating Temp.Range	Discharge : -15 ~ 50°C (5 ~ 122°F)		
	Charge : 0 ~ 40°C (32 ~ 104°F)		
	Storage : -15 ~ 40°C (5 ~ 104°F)		
Nominal Operating Temp. Range	25 ± 3°C (77 ± 5°F)		
Cycle Use	Initial Charging Current less than 45.0A.		
	Voltage: 14.4VPC~15.0VPC at 25°C (77°F)		
	Temp. Coefficient: -30mV/°C		
Standby Use	No limit on Initial Charging Current Voltage.		
	13.5VPC~13.8VPC at 25° C(77° F)		
	Temp. Coefficient: -20mV/°C		
Capacity affected by Temperature	40°C (104°F)	103%	
	25°C (77°F)	100%	
	0°C (32°F)	86%	
Self Discharge	Fully charged Kaise Long Life Series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.		

Constant Current Discharge (Amperes) at 77°F (25°C)

Volts/cell	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	200.8	165.7	118.0	75.7	37.5	25.5	15.0	8.03
1.75V	228.1	186.8	128.2	82.5	39.0	26.1	15.4	8.23
1.70V	257.6	207.3	139.9	87.3	41.1	27.6	16.0	8.44
1.65V	276.6	221.9	147.7	90.3	42.7	28.5	16.4	8.70
1.60V	304.3	243.0	157.6	93.0	43.8	29.2	16.8	8.84

Dimensions and Terminal (Unit: mm (inches))



Applications

UPS
Telecommunications equipment
Solar energy systems
Cable TV
Power station
Marine equipment
Military equipment
Emergency power systems
Railway systems

Certifications

ISO 9001:2008 ISO 14001:2008



Discharge Current vs. Discharge Voltage

Final discharge voltage V/CELL	1.8	1.75	1.7	1.6
Discharge current (A)	$I \leq 0.1CA$	$0.25CA \geq I > 0.1CA$	$0.55CA \geq I > 0.25CA$	$I > 0.55CA$

Constant Power Discharge (Watts per cell) at 77°F (25°C)

Volts/cell	10min	15min	30min	1h	3h	5h	10h	20h
1.80V	370.6	308.4	223.7	146.7	73.4	50.3	29.9	16.0
1.75V	414.2	343.4	241.1	159.2	76.1	51.3	30.7	16.4
1.70V	457.4	375.7	261.8	167.9	79.9	54.1	31.9	16.8
1.65V	486.7	399.2	274.1	172.5	82.8	55.7	32.7	17.3
1.60V	523.4	430.1	290.4	176.7	84.5	56.8	33.3	17.6

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.