

KBL12260 12V 26Ah



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.



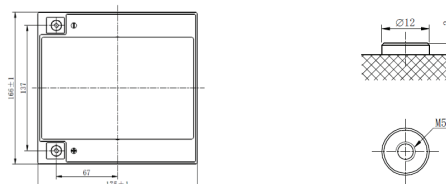
Performance Characteristics

Nominal Voltage	12V	
Nominal Capacity	26.0Ah (C ₁₀ , 1.75V/cell)	
Dimensions	Length (mm / inch)	166±2 / 6.54
	Width (mm / inch)	175±2 / 6.89
	Height (mm / inch)	125±2 / 4.92
	Total Height (mm / inch)	125±2 / 4.92
	Approx Weight (Kg / lbs)	8.4 / 18.52
Design Life	10 / 12 years	
Terminal	M5	
Container Material	ABS V0 (Flame Retardant)	
Rated Capacity	26.00 Ah / 1.30A	(20hr, 1.75V/cell, 25°C/77°F)
	25.80 Ah / 2.58A	(10hr, 1.75V/cell, 25°C/77°F)
	23.85 Ah / 4.77A	(5hr, 1.75V/cell, 25°C/77°F)
	21.03 Ah / 7.01A	(3hr, 1.75V/cell, 25°C/77°F)
	17.40 Ah / 17.4A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	390A (5s)	
Internal Resistance	Approx 12mΩ	
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 7.8A.	
	Voltage: 14.4V ~ 15.0V at 25°C (77°F)	
	Temp. Coefficient: -30mV/°C	
Standby Use	Initial Charging Current less than 7.8A.	
	Voltage 13.5V ~ 13.8V 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 High Rate 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.	

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

Volts/cell	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	46.8	39.3	33.2	25.0	19.2	16.0	9.10	6.80	5.46	4.65	3.97	3.12	2.52	1.27
1.80V	49.2	40.8	34.2	25.6	19.5	16.3	9.24	6.91	5.53	5.53	4.02	3.16	2.55	1.29
1.75V	51.6	42.3	35.3	26.2	19.9	16.5	9.39	7.01	5.61	5.61	4.07	3.20	2.58	1.30
1.70V	54.0	43.8	36.3	26.8	20.3	16.8	9.53	7.11	5.69	5.69	4.13	3.24	2.61	1.31
1.65V	55.4	44.7	36.9	27.2	20.5	17.0	9.62	7.17	5.73	5.73	4.16	3.26	2.63	1.32
1.60V	58.8	46.7	38.4	28.0	21.1	17.4	9.82	7.31	5.84	5.84	4.23	3.31	2.67	1.34

Dimensions and Terminal (Unit: mm (inches))



Applications

UPS and EPS	Emergency lighting
Marine and power stations	Alarm and security system
Communication power supply	
DC power supply	
Electronic apparatus and equipment	
Railway signal and aircraft signal system	

Certifications

ISO 9001:2008 ISO 14001:2008



Discharge Current vs. Discharge Voltage

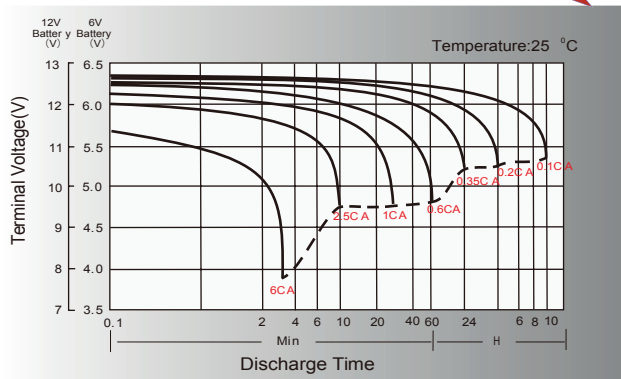
Final discharge voltage V/CELL	1.8	1.75	1.7	1.6
Discharge current (A)	I ≤ 0.1CA	0.25CA ≥ I > 0.1CA	0.55CA ≥ I > 0.25CA	I > 0.55CA

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

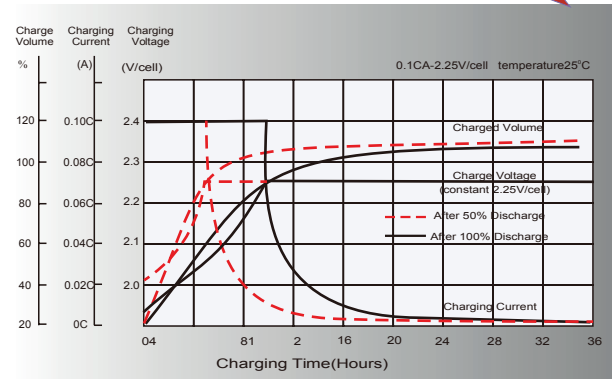
Volts/cell	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	89.5	75.4	63.9	48.3	37.2	31.0	17.8	13.4	10.8	9.18	7.85	6.19	5.00	2.55
1.80V	93.6	78.0	65.6	49.3	37.8	31.5	18.0	13.5	10.9	9.29	7.95	6.26	5.06	2.57
1.75V	97.6	80.4	67.2	50.3	38.4	32.0	18.3	13.7	11.0	9.40	8.03	6.33	5.12	2.60
1.70V	101.6	82.8	68.9	51.2	39.0	32.4	18.5	13.9	11.1	9.50	8.13	6.40	5.18	2.63
1.65V	104.0	84.3	69.9	51.8	39.3	32.7	18.7	14.0	11.2	9.57	8.18	6.44	5.21	2.64
1.60V	109.4	87.5	72.1	53.0	40.1	33.3	19.0	14.2	11.4	9.72	8.31	6.54	5.29	2.68

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

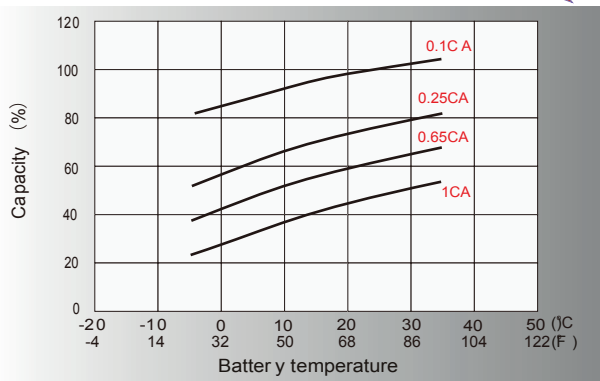
Discharge Characteristics



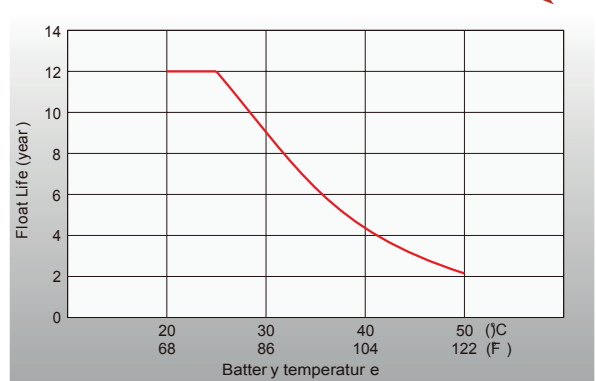
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Temperature Effects on Long Term Float Life



IMPORTANT NOTE: The specifications presented herein are subject to revision without notice.

