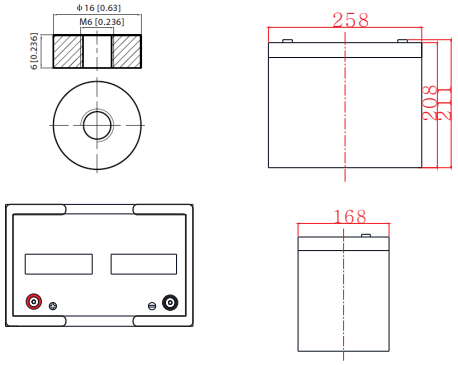
KBL12750 12V 75Ah

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)	258 / 10.16
	Width (mm / inch)	168 / 6.61
	Height (mm / inch)	208 / 8.19
	Total Height (mm / inch)	211 / 8.31
Approx. Weight	(Kg / lbs)	22.5 / 49.7
Design Life	10 years	
Terminal	M6	
Container Material	ABS	
Rated Capacity	75.0 Ah / 3.75A	(20hr,1.80V/cell,25ºC/77ºF)
	64.0 Ah / 12.8A	(5hr,1.75V/cell,25ºC/77ºF)
	46.5 Ah / 46.5A	(1hr,1.70V/cell,25ºC/77ºF)
Max. Discharge Current	840A (5s)	
Internal Resistance	Approx 7.0mΩ	
Operating Temp.Range	Discharge : -20 ~ 50ºC (-4 ~ 122ºF)	
	Charge : -20 ~ 50ºC (-4 ~ 122ºF)	
	Storage : -20 ~ 50ºC (-4 ~122ºF)	
Cycle Use	Initial Charging Current less than 17.5A.	
	Voltage: 14.4V~15.0V at 25ºC (77ºF)	
	Temp. Coefficient: -30mV/ºC	
Standby Use	No limit on initial Charging Current	
	Voltage: 13.5V~13.8V at 25ºC (77ºF)	
	Temp. Coefficient: -18mV/ºC	
Capacity affected by	40ºC (104ºF)	103%
	25ºC (77ºF)	100%
	0ºC (32ºF)	86%
Self Discharge	Fully charged Kaise Long Life Series batteries may be stored for up to 6 months at 25ºC (77ºF) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Dimensions and Terminal (Unit: mm (inches))



Applications

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

Certifications

ISO 9001 / ISO 14001

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

Constant Current Discharge (Amperes) at 25ºC (77ºF)

Volts/cell	5min	15min	30min	1h	3h	5h	10h	20h
1.80V	189	113	73.8	44.7	18.8	12.4	7.00	3.75
1.75V	211	122	77.2	45.8	18.9	12.8	7.07	3.77
1.70V	230	126	77.9	46.5	19.1	12.9	7.14	3.78
1.65V	239	128	79.2	46.9	19.4	13.0	7.21	3.80
1.60V	247	133	80.6	47.1	19.6	13.2	7.28	3.82

Constant Power Discharge (Watts per cell) at 25ºC (77ºF)

Volts/cell	5min	15min	30min	1h	2h	3h	5h	10h
1.80V	339	213	140	86.4	50.4	36.3	24.2	13.4
1.75V	369	225	144	87.1	50.5	36.4	24.5	13.6
1.70V	396	227	144	87.7	50.8	36.6	24.6	13.7
1.65V	398	229	144	88.4	51.0	36.8	24.8	13.9
1.60V	414	233	146	89.1	51.1	37.3	25.0	14.0

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

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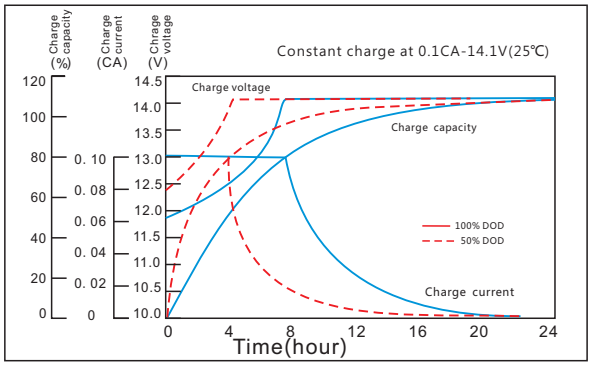
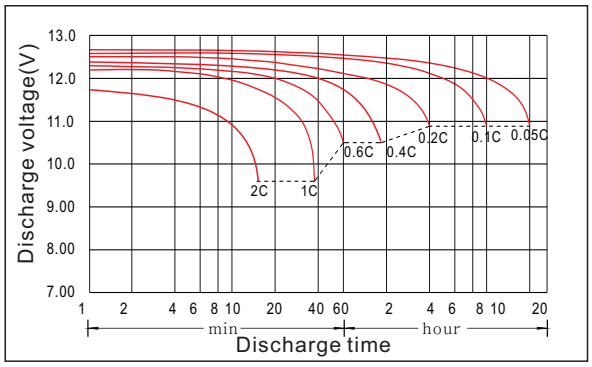
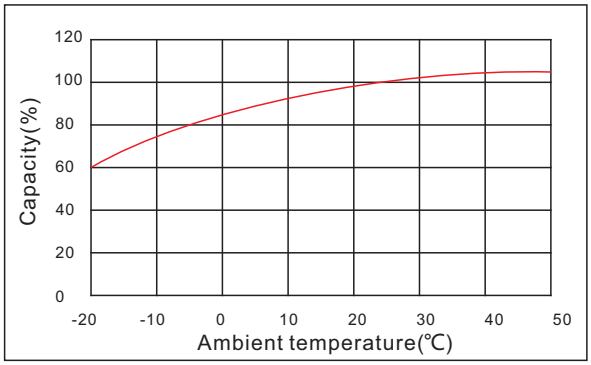
Charging Characteristics (float use)



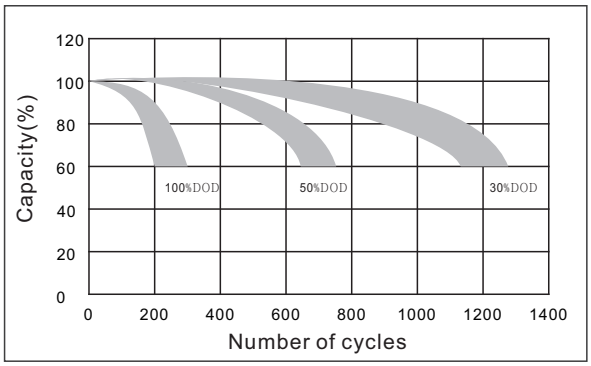
Discharge Characteristics



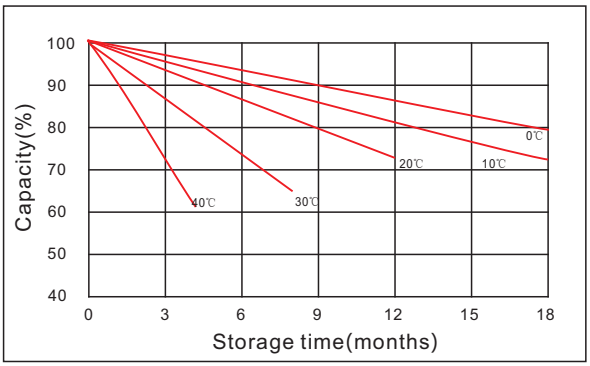
Temperature Effects in Relation to Battery Capacity



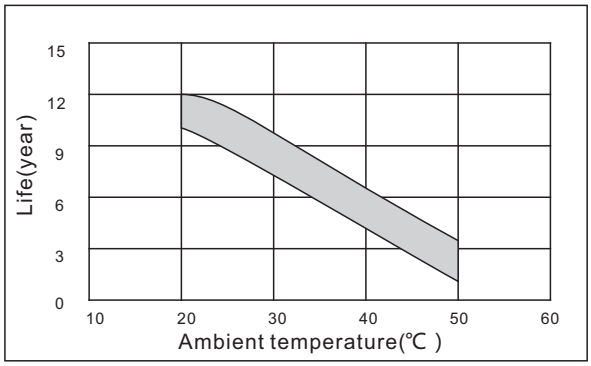
Cycle Life in Relation to Depth of Discharge



Curves of Self-Discharge



Effect of Temperature on Long Term Float Life



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

2024/VIK

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