

FLOODED



MARINE

GOLF

INDUSTRIAL

AUTO

SPECIAL
APPLICATIONS

SOLAR

LEAD-CALCIUM BATTERY

KCT-660

KCT SERIES

- Voltage: 2V
- Reserve Capacity: 660 Ah@8hr rate to 1.75VPC @ 77F
- Weight: 136 lbs (61.7 kg)
- Length: 8.53 in (217 mm)
- Width: 10.44 in (265 mm)
- Height: 18.25 in (464 mm)
- Positive Plate Height: 11.38 in (289 mm)
- Negative Plate Height: 11.38 in (289 mm)
- Plates per Cell: 15
- Separator: Microporous with fibrous glass mat
- Container: Thermoplastic, transparent (SAN)
- Cover: PVC flame retardant, UL 94-V0
- Recommended Float Voltage: 2.17-2.22 V/cell (calcium)
- Terminals: Two, 1-inch (25 mm) square posts



FOR TELECOMMUNICATIONS APPLICATIONS

The NEBS-approved KCT battery offers a wide range of capacities within a small footprint, making it ideal for a range of Telecom applications. KCT lead-calcium stationary batteries can be found in telephone central offices, mobile telephone switching offices, cable headend sites, fiber optic regenerator sites, microwave repeater sites, telephone and internet network nodes, and more.

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CD
TECHNOLOGIES

MODEL **KCT-660**
 VOLTAGE **2V**
 CAPACITY **660Ah @ hr to 1.75VPC**
 CONTAINER **Thermoplastic, transparent (SAN)**
 COVER **PVC flame retardant, UL 94-V0**
 BATTERY TYPE **Lead-Calcium**
 PLATES PER CELL **15**

2V

PRODUCT + PHYSICAL SPECIFICATIONS

Serie	Model	Voltage	Cell(s)	Terminal Quantity	Dimensions ^c Inches (mm)			Weight Lbs. (kg)
					Length	Width	Height ^f	
KCT	KCT-660	2	1	2	8.53 (217)	10.44 (265)	18.25 (464)	136 (61.7)

ELECTRICAL SPECIFICATIONS

VPC	Ah @ 8hr Rate	NOMINAL RATE @ 77F (+25C) IN 1.215 SPECIFIC GRAVITY (INCLUDES CONNECTION DROP)								
		AMPERES (per cell)								
		1 HR	2 HR	3 HR	4 HR	5 HR	6 HR	8 HR	10 HR	24 HR
1.75	660	296	203	161	134	117	103	80	71	34
1.80	645	274	193	152	127	110	98	78	69	34
1.84	607	235	174	139	117	103	91	73	65	32
1.86	567	213	161	130	110	97	85	69	61	30
1.88	528	184	144	120	103	91	80	64	57	28
1.90	504	147	125	108	95	85	76	63	53	26
1.92	432	115	100	88	79	71	64	54	47	24

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)					
System Voltage	2V	4V	24V	48V	125V
Bulk / Equalize Charge	2.35	4.70	28.20	56.40	141.00
Float Charge	2.22	4.44	26.64	53.28	133.20
High Voltage Alarm	2.45	4.90	29.40	58.80	147.00
Low Voltage Alarm	1.75	3.50	21.00	42.00	105.00
Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.					

CHARGING TEMPERATURE COMPENSATION

Add	Subtract
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 0.0028 volt per cell for every 1°F above 77°F

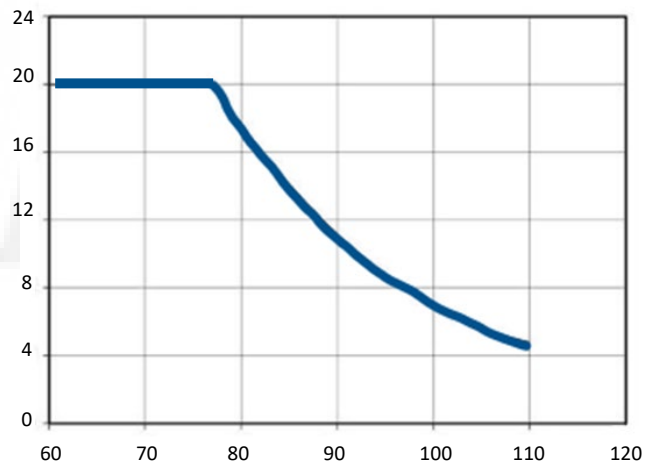
OPERATIONAL DATA

Operating Temperature	Self Discharge
Recommended operating temperature range 60F (15 C) – 90F (32 C) Limit Operating Range 32F (0 C) – 120F (49 C)	Less than 3% per month depending on storage temperature conditions

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

Percentage Charge	Cell	Specific Gravity
100	2.06 - 2.08	1.210 - 1.220
75	2.03 - 2.04	1.185 - 1.195
50	2.00 - 2.01	1.160 - 1.170
25	1.97 - 1.98	1.135 - 1.145
0	1.95 or less	1.110 - 1.120

BATTERY LIFE v AMBIENT TEMPERATURE



FOR TELECOMMUNICATIONS APPLICATIONS

Capacity: 270 to 720 Ampere-hours

C&D Technologies flooded batteries are engineered to provide superior performance and reliability over the life of the product. These batteries are designed using proprietary techniques and quality components and materials for reduced maintenance and extended battery life.

FEATURES & BENEFITS

- Electrical testing (capacity test) on every cell prior to shipping assures performance of every battery upon delivery.
- Proprietary vacuum-assisted, bottom-pour, positive-grid casting assures void-free grid quality resulting in 20 year service life.
- Waterbath charging results in consistently formed plates for reliable performance out of the box (no cycling required in the field).
- Suspended positive plates permit free growth without pressure on jar and cover.

SAFE OPERATION

- Standard flame-retardant covers enhance battery plant safety with self-extinguishing properties, LOI>32%, UL 94V-0.
- Low-evaporation, flame-arrester vent to extend watering intervals and prevent external sparks from reacting with the hydrogen inside the cell.

COST SAVINGS

- Transparent container allows visual inspection of plates
- Soft rubber post seal minimizes stress on post reducing maintenance requirements
- Computer controlled heli-arc welded post seals result in consistent and reliable seals for less maintenance and longer product life

APPLICATIONS

- Telephone Central Offices
- Mobile Telephone Switching Office
- Cable Head End Sites
- Fiber Optic Regenerator Sites
- Microwave Repeater Sites
- Telephone & Internet Network Nodes