



The Battery that Gives You Back Control in Uncontrollable Temperatures

Take back control of uncontrollable temperature environments – Deka Fahrenheit batteries were made for situations just like this.

SOME LIKE IT HOT



High temperature environments, sunbaked surfaces – all in areas without any cooling mechanism – can put the equipment, especially batteries, in a very hot situation.

  batteries are created for just this environment. In fact, with our Exclusive Thermal Management Technology System, these batteries when compared to others, really do “like it hot.”

Quality Assurance

Be Confident the Power is Backed by the Expertise

There is an exclusive Thermal Management Technology System within each battery.

- **Helios™ Additive** – Exclusive additive reduces float current up to 75% enhancing high temperature life
- **Microcat® Catalyst** – Lowers float current, mitigates thermal buildup and cell dryout
- **IPF® Technology** – Exclusive process optimizes capacity, cell consistency and long term reliability
- **TempX™ Alloy** – Optimized positive alloy inhibits corrosion under the highest temperature extremes
- **Completely Recyclable** – Fully recyclable to reclaim lead, acid, and plastics

When Meeting and Exceeding Standards is Important

Deka Fahrenheit batteries are UL 1973 Certification for Energy Storage applications



Your Advantage when Fahrenheit is Your Battery

2-Volt features and your benefits.

Plates Formed Using Exclusive IPF® Technology	Optimizes power capacity, cell consistency, and long-term reliability
Valve-Regulated	Eliminates periodic watering, corrosive acid fumes, and spills
MICROCAT® Catalyst	Lowers float current, decreases internal temps and the risk of dryout
Positive Plate	Pure lead, tin alloy
Post Seal	Epoxy sealed to prevent leaks and corrosion damage
Case and Cover	Molded high impact flame retardant polypropylene, UL 94 V-0, 28% L.O.I.
Safety Valve and Flame Arrestor	100% tested valve, high positive pressure, self sealing
Rated Non-Spillable by ICAO, IMDG, IATA, and DOT	Transports easily and safely by air, no special containers needed

Additional Fahrenheit Information

Learn more about East Penn's battery selection for rail signal applications

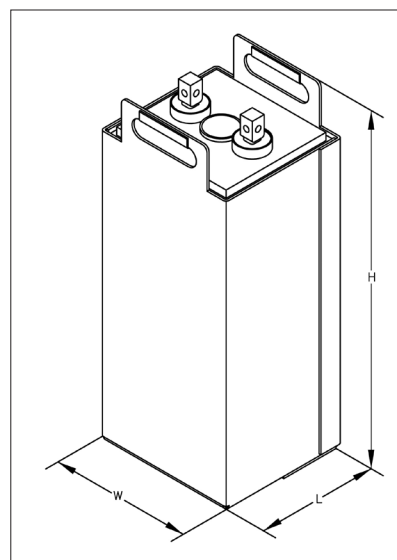
<https://www.eastpennmanufacturing.com/applications/rail-signal>



HT45 Cell Information

Deka Fahrenheit® HT45

Cell Type	HT45 Single Cell Can Dimensions							
	Length		Width		Height		Weight	
	in.	mm.	in.	mm.	in.	mm.	lbs.	kg.
HT45-5	2.25	58.2	6.70	170	16.11	409	26	12
HT45-7	3.00	76.1	6.70	170	16.11	409	34	15
HT45-9	3.75	95.1	6.70	170	16.11	409	42	19
HT45-11	4.50	114	6.70	170	16.11	409	50	23
HT45-13	5.25	133	6.70	170	16.11	409	58	26
HT45-15	6.00	152	6.70	170	16.11	409	66	30
HT45-17	6.75	171	6.70	170	16.11	409	74	34
HT45-19	7.50	190	6.70	170	16.11	409	82	37
HT45-21	8.25	209	6.70	170	16.11	409	90	41
HT45-23	9.00	229	6.70	170	16.11	409	98	44
HT45-25	9.75	248	6.70	170	16.11	409	106	48
HT45-27	10.50	267	6.70	170	16.11	409	114	52
HT45-29	11.25	286	6.70	170	16.11	409	122	56
HT45-31	12.00	305	6.70	170	16.11	409	130	59
HT45-33	12.75	324	6.70	170	16.11	409	138	63



RATINGS IN AMPERES AT 77°F (25°C)

Cell Type	C8 Ah to 1.75 V.P.C.	1.75 V.P.C.				1.78 V.P.C.				1.81 V.P.C.			
		8HR	10HR	24HR	100HR	8HR	10HR	24HR	100HR	8HR	10HR	24HR	100HR
HT45-5	84.0	10.5	8.9	4.4	1.2	10.5	8.9	4.4	1.2	10.4	8.8	4.4	1.2
HT45-7	126	15.8	13.4	6.6	1.8	15.7	13.3	6.6	1.8	15.6	13.2	6.5	1.8
HT45-9	168	21.0	17.8	8.8	2.4	20.9	17.7	8.8	2.4	20.8	17.6	8.7	2.4
HT45-11	210	26.3	22.3	11.0	3.0	26.2	22.2	11.0	3.0	26.0	22.0	10.9	2.9
HT45-13	252	31.5	26.7	13.2	3.6	31.4	26.6	13.2	3.6	31.2	26.4	13.1	3.5
HT45-15	294	36.8	31.2	15.4	4.2	36.6	31.0	15.3	4.2	36.4	30.8	15.2	4.1
HT45-17	336	42.0	35.6	17.6	4.8	41.8	35.5	17.5	4.7	41.5	35.3	17.4	4.7
HT45-19	378	47.3	40.1	19.8	5.4	47.1	39.9	19.7	5.3	46.7	39.7	19.6	5.3
HT45-21	420	52.5	44.5	22.0	6.0	52.3	44.3	21.9	5.9	51.9	44.1	21.8	5.9
HT45-23	462	57.8	49.0	24.2	6.6	57.5	48.8	24.1	6.5	57.1	48.5	24.0	6.5
HT45-25	504	63.0	53.4	26.4	7.2	62.8	53.2	26.3	7.1	62.3	52.9	26.1	7.1
HT45-27	546	68.3	57.9	28.6	7.8	68.0	57.6	28.5	7.7	67.5	57.3	28.3	7.6
HT45-29	588	73.5	62.3	30.8	8.4	73.2	62.1	30.7	8.3	72.7	61.7	30.5	8.2
HT45-31	630	78.8	66.8	33.0	9.0	78.5	66.5	32.9	8.9	77.9	66.1	32.7	8.8
HT45-33	672	84.0	71.2	35.2	9.6	83.7	71.0	35.1	9.5	83.1	70.5	34.9	9.4

Component Ordering

Deka Fahrenheit 2V, HT45 Series Single Cell
Railway Single Cell Assembly

Plate Size	System Part #**
5	JSCU4505H-1LCAR
7	JSCU4507H-1LCAR
9	JSCU4509H-1LCAR
11	JSCU4511H-1LCAR
13	JSCU4513H-1LCAR
15	JSCU4515H-1LCAR
17	JSCU4517H-1LCAR
19	JSCU4519H-1LCAR
21	JSCU4521H-1LCAR
23	JSCU4523H-1LCAR
25	JSCU4525H-1LCAR
27	JSCU4527H-1LCAR
29	JSCU4529H-1LCAR
31	JSCU4531H-1LCAR
33	JSCU4533H-1LCAR

** = Each system part # consists of:
Quantity of 1 cell
Connection Kit of cables & hardware

Deka Fahrenheit 2V, HT45 Series Single Cell
Railway 6-Cell Assembly

Plate Size	System Part #**
5	JSCU4505H-6LCAR
7	JSCU4507H-6LCAR
9	JSCU4509H-6LCAR
11	JSCU4511H-6LCAR
13	JSCU4513H-6LCAR
15	JSCU4515H-6LCAR
17	JSCU4517H-6LCAR
19	JSCU4519H-6LCAR
21	JSCU4521H-6LCAR
23	JSCU4523H-6LCAR
25	JSCU4525H-6LCAR
27	JSCU4527H-6LCAR
29	JSCU4529H-6LCAR
31	JSCU4531H-6LCAR
33	JSCU4533H-6LCAR

** = Each system part # consists of:
Quantity of 6 cell
Connection Kit of cables & hardware

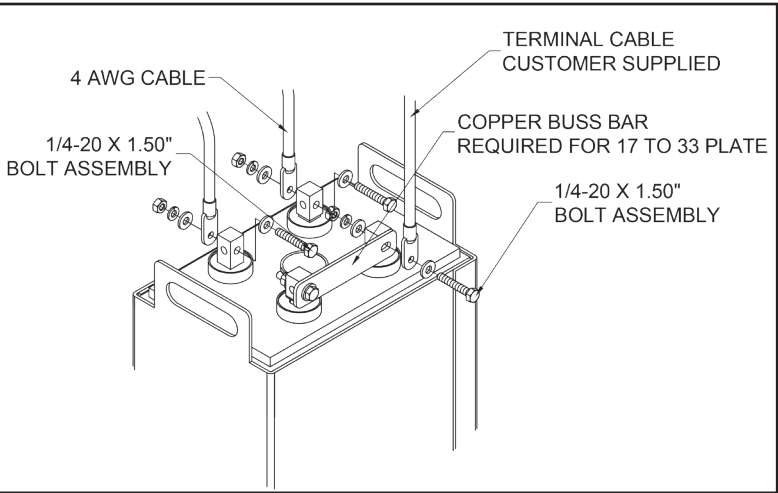
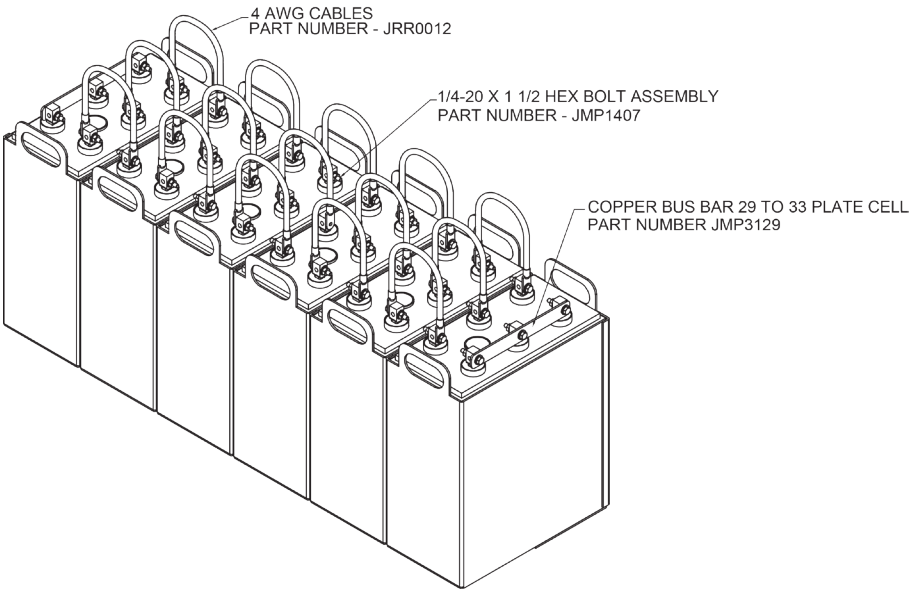
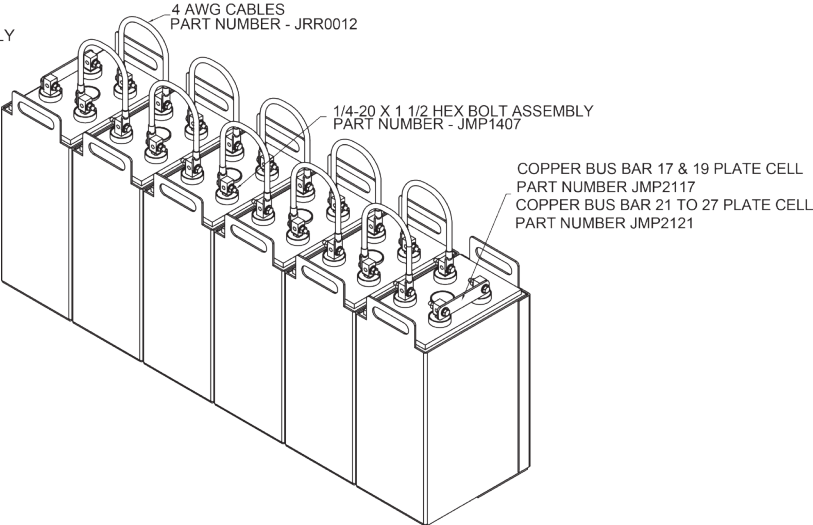
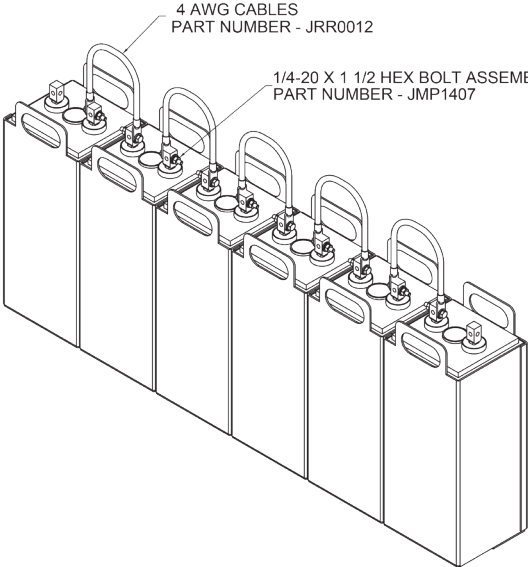
Deka Fahrenheit 2V, HT45 Series Single Cell
Railway 6-Cell Assembly

Plate Size	Assembly Part #
5 to 15	JPk0005
	Contains:
	1 - JRR0012 (Cable)
	1 - JMH2727 (Manual)
17 to 19	JPk0006
	Contains:
	2 - JRR0012 (Cable)
	1 - JMH2727 (Manual)
21 to 27	JPk0007
	Contains:
	2 - JRR0012 (Cable)
	1 - JMH2727 (Manual)
29 to 33	JPk0008
	Contains:
	3 - JRR0012 (Cable)
	1 - JMH2727 (Manual)

Deka Fahrenheit 2V, HT45 Series Single Cell
Railway 6-Cell Connection Kit

Plate Size	Assembly Part #
5 to 15	JPk0001
	Contains:
	5 - JRR0012 (Cable)
	1 - JMH2727 (Manual)
17 to 19	JPk0002
	Contains:
	10 - JRR0012 (Cable)
	2 - JMP2117 (Connector)
21 to 27	JPk0003
	Contains:
	10 - JRR0012 (Cable)
	2 - JMP2121 (Connector)
29 to 33	JPk0004
	Contains:
	15 - JRR0012 (Cable)
	2 - JMP3129 (Connector)
	1 - JMH2727 (Manual)

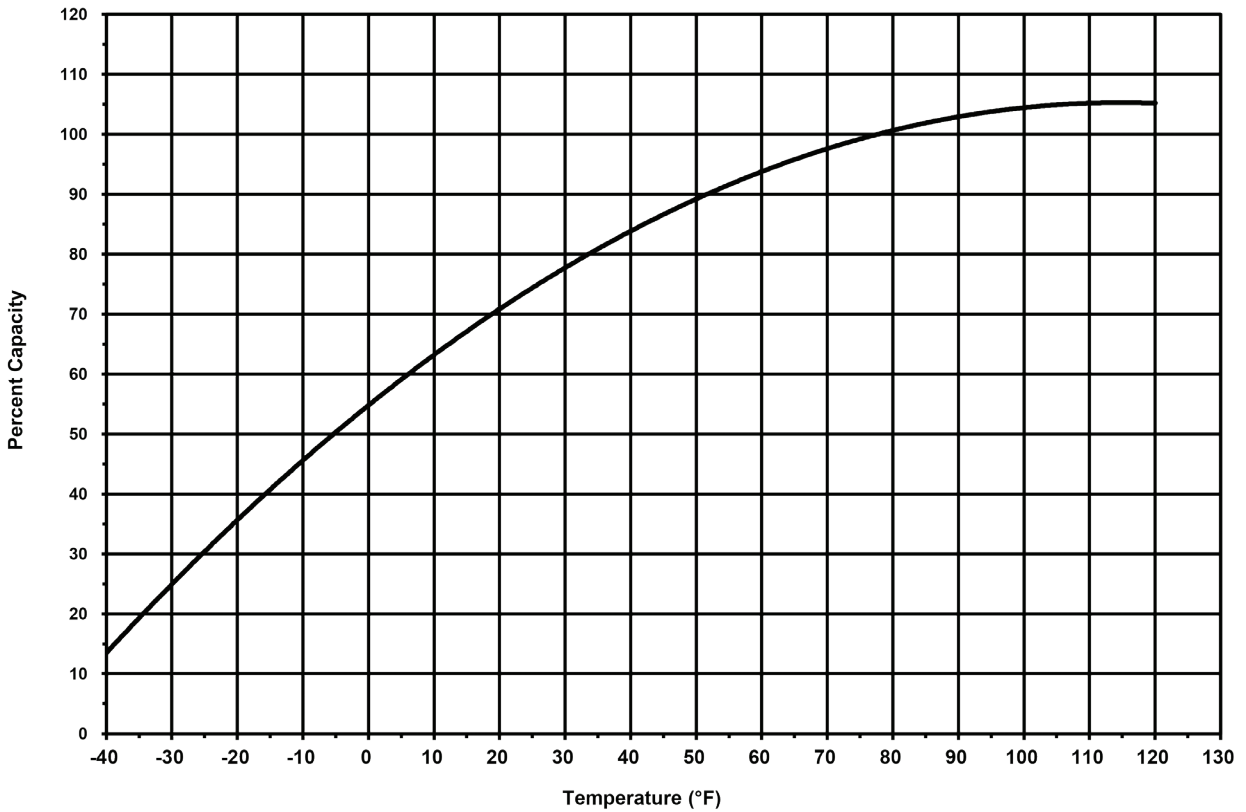
Component Assembly



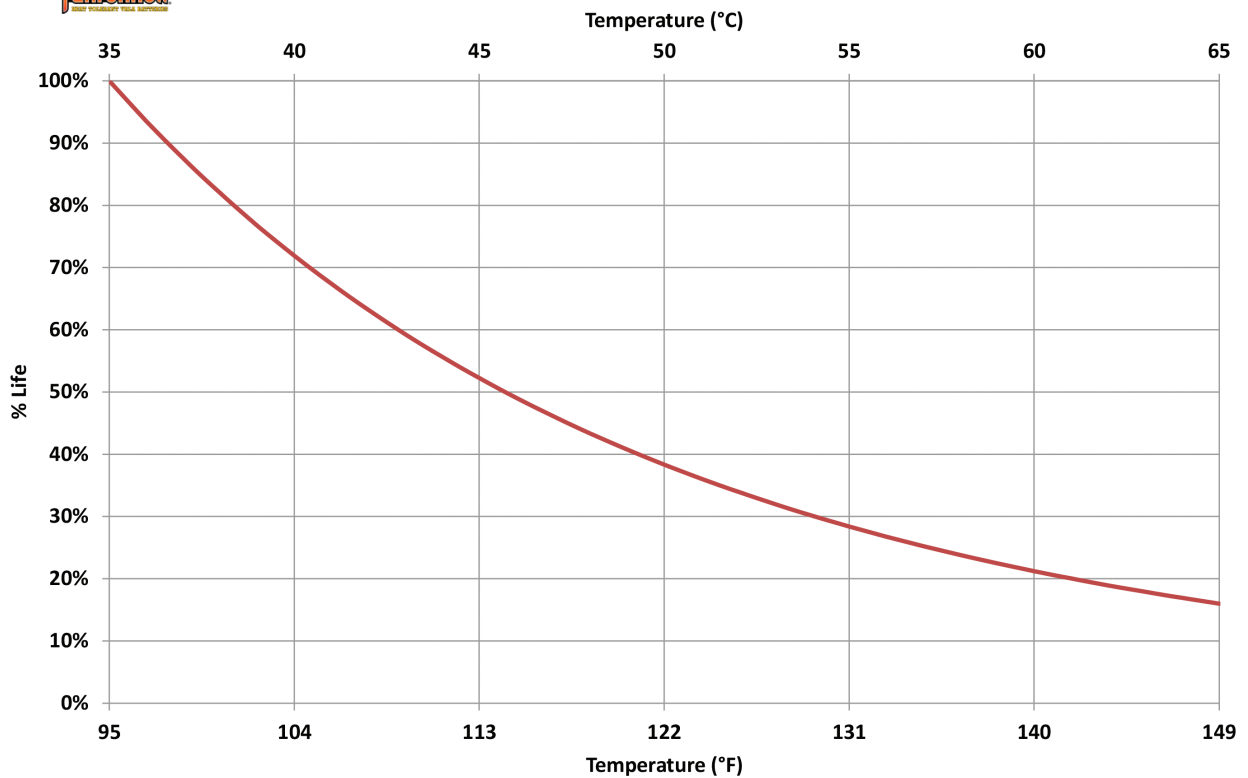
Temperature



Deka Fahrenheit 2V - Temperature Effects on Capacity
(Discharges 1 Hr to 100 Hr)



Temperature vs. Life





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QUALITY SYSTEM
CERTIFIED
ISO 9001
IATF 16949
ENVIRONMENTAL
SYSTEM CERTIFIED
ISO 14001



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