

## ▶ AGM High Performance eXtra



**Solutions for the toughest requirements**



Triathlon System GmbH is your specialist for battery-operated electrical systems with branches across Germany. Our comprehensive and competent consulting is based on our specialist know-how and many years of experience in battery and charger technology.

Our own FXM production at the Isen site in Munich, one of the oldest battery manufacturer's in Germany, guarantees quality "Made in Germany".

Our product range includes batteries of all current technologies, as well as emergency lighting systems, UPS systems, DC power systems and systems for many other applications.

Our installation and service teams ensure the installation and proper functioning of our products. The range of services is supported by reputable and reliable partners only.

**Only the sum of**

## ▶ AGM HPX

The Triathlon HPX range with AGM technology stands for the highest demands. It is ideal for use in uninterruptible power supplies (UPS).

The highest quality standards are met through:

- ✓ Certification in line with ISO 9001 and ISO 14001
- ✓ IEC 60896 Parts 21 & 22 and BS 6290 Part 4
- ✓ Extensive end testing of products prior to dispatch

### TECHNICAL FEATURES

- ▶ Sealed VLRA (valve-regulated lead acid) batteries – electrolyte is fixed in a glass mat
- ▶ Outstanding high-current capability thanks to low internal resistance
- ▶ High power density, low size ratio
- ▶ Maintenance-free
- ▶ Safety valve protects against excessive high pressure
- ▶ Low self-discharge rate:  
Can be stored for up to 9 months under normal conditions at +20 °C.
- ▶ Service life of up to 10 years in continuous battery power supply mode according to EUROBAT
- ▶ Different installation positions possible, either vertical or horizontal
- ▶ No transport restrictions  
(in line with IATA, DGR, sentence A67)

#### ▶ Applications:

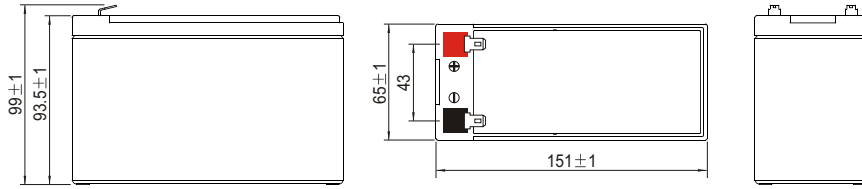
- Uninterruptible power supplies (UPS)
- Emergency lighting
- Stationary back-up power systems in power stations and remote stations
- Telecommunications and switch gears
- Automation technology, robotic systems
- Burglar and fire alarm systems
- Wireless and radio systems
- Distance measurement systems
- Signalling systems



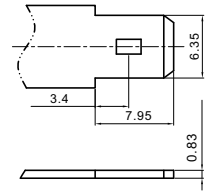
the benefits decides!

# Technical Drawings

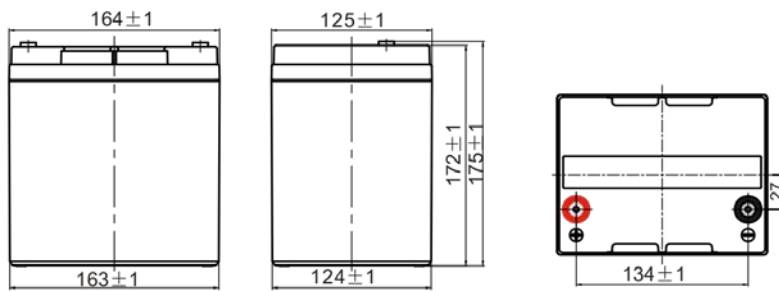
HPX 12045



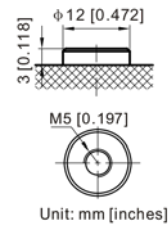
T2 connection



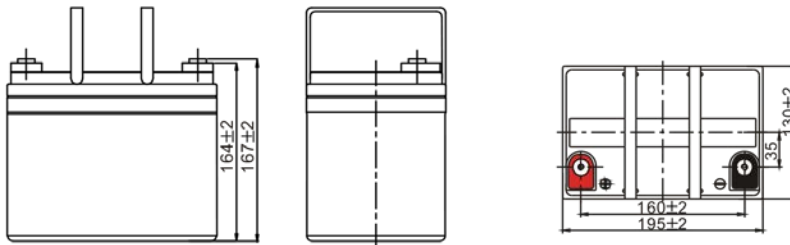
HPX 12120



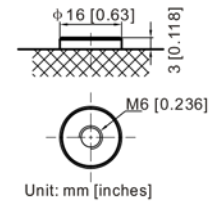
T12 connection



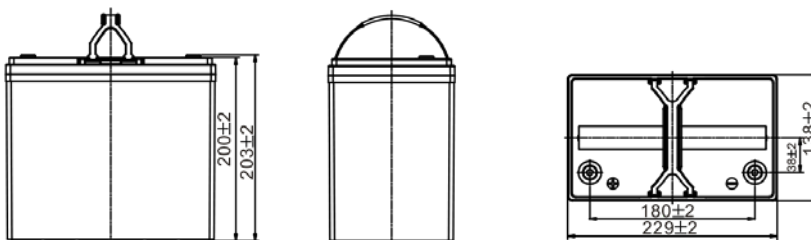
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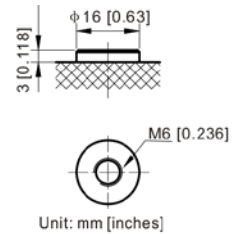
T6 connection



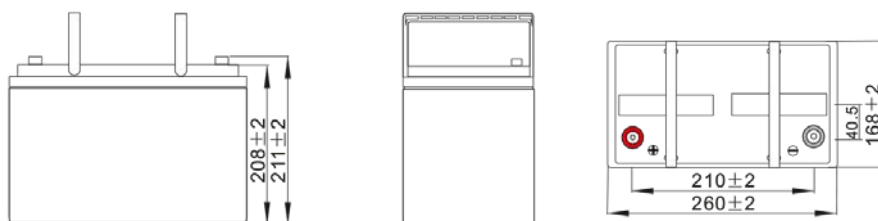
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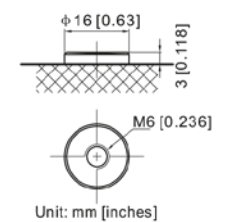
T6 connection



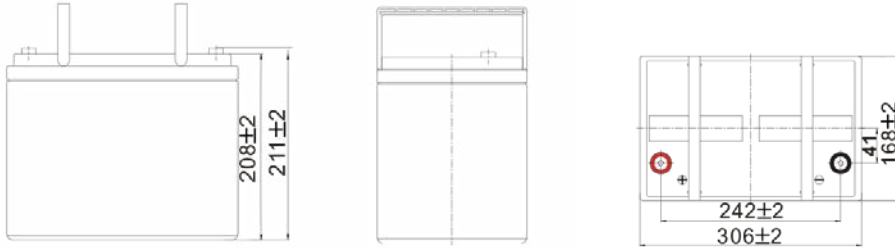
HPX 12425



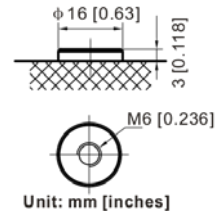
T6 connection



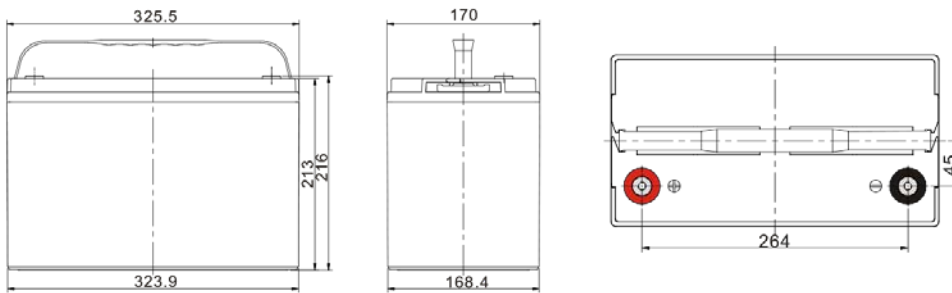
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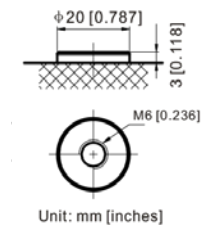
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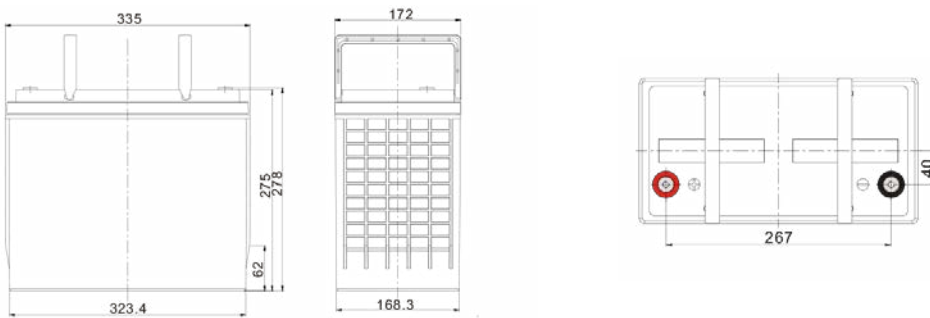
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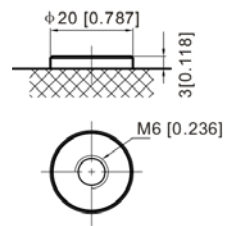
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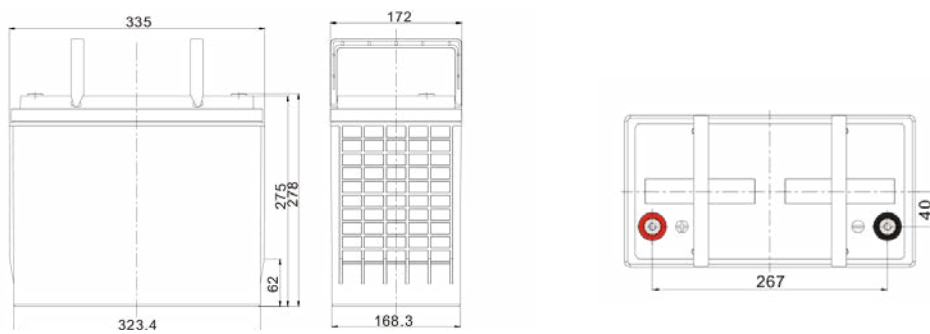
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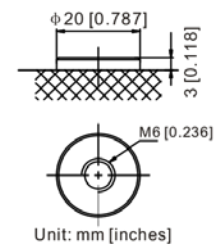
### T8 connection



### HPX 12670



### T8 connection



## ► Technical Data

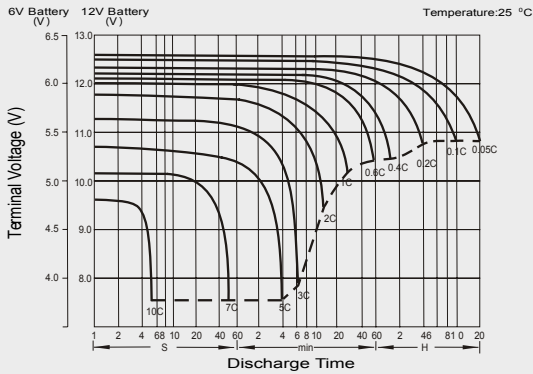
### 10 - 12 YEARS. HIGH PERFORMANCE

Battery type	Nominal voltage	Nominal capacity C <sub>10</sub>	Length (L)	Width (B)	Height* (H)	Typical weight	Internal resistance	max. discharge current	Conne- ction
	V	Ah	max. mm	max. mm	max. mm	kg	mOhm	A	
HPX 12045	12	8.0	151.0	65	99	2.66	17.0	135	T2
HPX 12120	12	26.0	164.0	125	175	7.90	12.0	540	T12
HPX 12200	12	33.5	195.0	130	167	10.2	7.0	630	T6
HPX 12290	12	52.6	229.0	138	203	17.3	5.0	825	T6
HPX 12425	12	78.6	260.0	168	211	24.0	4.5	1230	T6
HPX 12480	12	90.7	306.0	168	211	28.0	4.0	1425	T6
HPX 12525	12	95.5	325.5	170	216	31.4	3.6	1650	T8
HPX 12630	12	136.0	335.0	172	278	42.0	3.2	1846	T8
HPX 12670	12	147.0	335.0	172	278	42.4	3.1	2015	T8

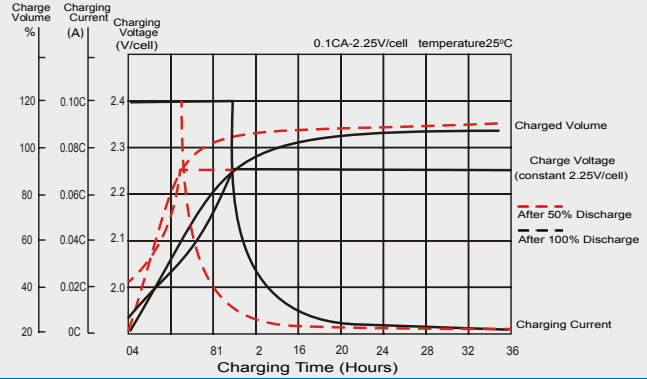
\* Hight incl. terminal

**Maximum safety for  
your equipment!**

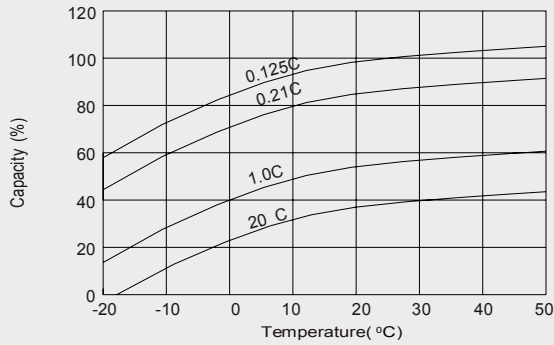
## Discharge behaviour



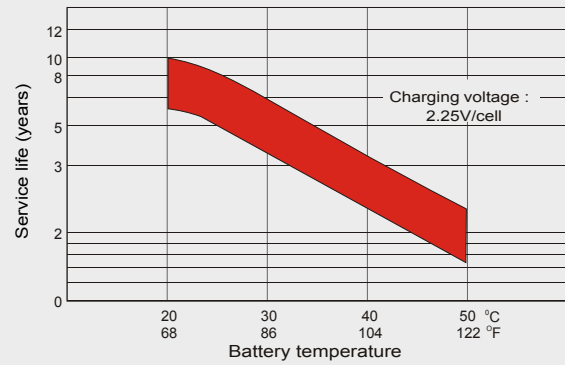
## Charge behaviour



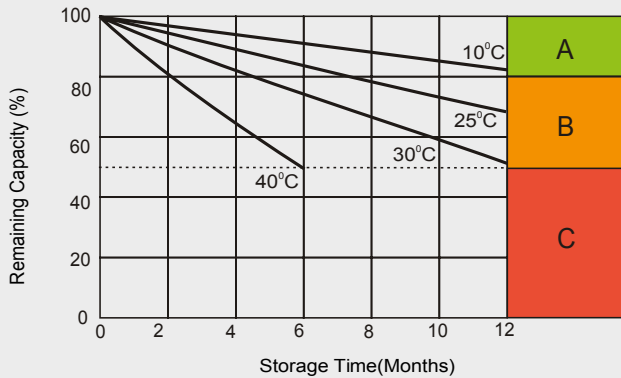
## Battery capacity in relation to temperature



## Temperature



## Self-discharge



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
  1. Charge for above 3 days at limited current 0.25C A and constant voltage 2.25V/cell.
  2. Charge for above 20 hours at limited current 0.25C A and constant voltage 2.45V/cell.
  3. Charge for 8-10 hours at limited current 0.05C A.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

## ▶ Discharge data in Ampere

### 1.85 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	28.6	19.1	15.0	12.4	9.2	6.7	5.2	2.8	2.0	1.6	1.3	1.2	0.9	0.8	0.4
HPX 12120	62.5	47.7	39.0	33.0	25.7	19.5	15.8	9.4	6.9	5.4	4.5	3.9	3.1	2.5	1.3
HPX 12200	102.3	73.7	59.1	49.4	37.9	28.3	22.6	12.7	9.04	7.1	5.9	5.0	3.9	3.3	1.7
HPX 12290	134.8	100.4	84.5	72.8	55.8	40.6	32.5	19.2	13.7	10.8	9.0	7.8	6.2	5.1	2.6
HPX 12425	187.0	144.2	126.0	110.2	85.0	63.6	51.2	29.1	20.7	16.2	13.5	11.6	9.2	7.7	4.0
HPX 12480	209.8	171.1	145.5	123.1	95.0	69.9	56.5	33.7	24.4	19.1	15.8	13.6	10.7	8.8	4.6
HPX 12525	212.4	178.6	150.9	129.2	98.5	72.2	57.1	32.5	24.0	19.3	15.9	14.0	11.2	9.4	4.9
HPX 12630	261.7	216.4	189.1	168.9	133.2	101.1	82.1	48.4	35.1	28.0	23.4	20.2	16.0	13.3	6.9
HPX 12670	282.7	227.9	197.5	173.4	138.3	106.0	87.0	51.5	37.2	29.6	24.6	21.4	17.1	14.3	7.6

### 1.80 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	32.1	20.9	16.2	13.2	9.7	7.0	5.4	2.9	2.1	1.6	1.4	1.2	1.0	0.8	0.4
HPX 12120	71.2	52.8	42.2	34.9	27.2	20.6	16.8	9.9	7.1	5.6	4.7	4.0	3.2	2.6	1.4
HPX 12200	118.2	82.7	65.2	53.7	40.7	29.9	23.8	13.2	9.3	7.3	6.0	5.2	4.0	3.4	1.8
HPX 12290	160.4	114.2	95.7	80.2	60.0	43.0	34.2	20.0	14.2	11.2	9.3	8.0	6.3	5.3	2.8
HPX 12425	214.5	158.9	138.1	118.8	89.5	65.9	52.9	30.0	21.4	16.7	13.9	12.0	9.5	7.9	4.1
HPX 12480	234.8	190.7	158.5	133.1	100.7	73.4	59.2	35.0	25.1	19.8	16.3	14.0	10.9	9.1	4.8
HPX 12525	247.9	197.5	166.1	140.4	105.6	77.9	60.1	34.3	25.1	20.0	16.6	14.5	11.4	9.6	5.0
HPX 12630	310.5	243.6	210.2	183.6	143.0	107.7	87.2	50.6	36.7	28.9	24.1	20.8	16.4	13.6	7.1
HPX 12670	327.4	252.0	217.6	192.0	150.7	114.1	92.1	54.0	38.8	30.7	25.5	22.1	17.6	14.7	7.8

### 1.75 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	35.3	22.1	17.2	13.9	10.0	7.2	5.6	3.0	2.2	1.7	1.4	1.2	1.0	0.8	0.4
HPX 12120	81.1	56.4	44.8	37.3	28.3	21.3	17.3	10.2	7.3	5.7	4.5	4.1	3.2	2.7	1.4
HPX 12200	132.8	89.9	70.3	57.2	42.7	31.2	24.7	13.5	9.5	7.5	6.2	5.3	4.1	3.4	1.8
HPX 12290	185.3	126.4	103.4	85.8	62.8	45.0	35.4	20.6	14.6	11.4	9.5	8.1	6.5	5.4	2.8
HPX 12425	244.0	178.4	150.2	126.0	93.3	68.0	54.3	30.9	21.9	17.1	14.2	12.3	9.7	8.0	4.2
HPX 12480	262.2	209.2	171.4	142.2	105.8	76.7	61.6	35.8	25.7	20.1	16.7	14.3	11.2	9.3	4.9
HPX 12525	278.9	216.3	181.8	151.9	112.4	81.5	63.2	35.9	26.1	20.5	17.1	14.8	11.6	9.7	5.1
HPX 12630	355.0	277.1	230.3	196.8	150.7	113.2	91.7	52.5	38.0	29.9	24.8	21.4	16.8	13.8	7.3
HPX 12670	381.3	281.8	241.2	207.9	161.8	121.1	97.3	56.3	40.1	31.5	26.1	22.6	17.9	15.0	7.9



### 1.70 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	37.6	23.3	18.0	14.3	10.4	7.4	5.8	3.1	2.2	1.8	1.5	1.3	1.0	0.8	0.4
HPX 12120	89.1	60.3	46.8	38.6	29.2	21.9	17.7	10.4	7.5	5.9	4.9	4.2	3.3	2.7	1.4
HPX 12200	144.0	96.6	74.9	60.5	44.6	32.3	25.5	13.9	9.70	7.6	6.3	5.4	4.2	3.5	1.8
HPX 12290	200.9	137.7	110.9	91.2	66.0	46.6	36.6	21.0	15.0	11.7	9.7	8.3	6.6	5.5	2.9
HPX 12425	268.6	193.4	160.1	134.1	98.1	70.9	55.9	31.4	22.4	17.6	14.6	12.5	9.8	8.1	4.2
HPX 12480	290.7	226.9	182.4	151.3	111.2	80.1	63.5	36.6	26.2	20.6	17.1	14.6	11.4	9.4	4.9
HPX 12525	314.9	238.6	197.1	163.3	120.2	86.2	66.5	37.4	26.9	21.1	17.5	15.1	12.0	9.9	5.2
HPX 12630	391.7	297.6	245.7	208.7	158.2	118.5	95.6	54.7	38.9	30.5	25.4	21.8	17.1	14.0	7.4
HPX 12670	425.9	309.7	265.0	225.9	173.3	127.9	102.0	58.2	41.2	32.3	26.7	23.0	18.3	15.3	8.1

### 1.67 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	39.3	24.1	18.5	14.8	10.7	7.6	5.9	3.2	2.3	1.8	1.5	1.3	1.0	0.8	0.5
HPX 12120	94.8	63.0	48.9	40.1	30.1	22.5	18.2	10.6	7.6	6.0	5.0	4.3	3.3	2.8	1.4
HPX 12200	156.0	103.3	79.1	63.6	46.4	33.3	26.2	14.2	10.0	7.8	6.4	5.5	4.3	3.5	1.9
HPX 12290	217.6	145.5	118.7	96.0	68.3	48.2	37.8	21.6	15.2	11.9	9.9	8.5	6.7	5.6	2.9
HPX 12425	297.2	210.6	171.2	140.2	102.3	73.0	57.5	32.0	22.8	17.8	14.8	12.6	10.0	8.3	4.3
HPX 12480	321.5	242.8	195.3	159.6	116.5	82.8	65.3	37.3	26.7	21.0	17.3	14.9	11.6	9.6	5.0
HPX 12525	340.9	258.4	213.2	175.4	127.1	90.6	69.6	38.5	27.6	21.6	18.0	15.5	12.3	10.1	5.3
HPX 12630	426.0	320.2	262.8	220.4	166.6	124.0	99.4	56.6	40.1	31.4	25.9	22.2	17.4	14.2	7.5
HPX 12670	466.9	341.3	288.5	240.4	180.8	133.3	105.6	60.1	42.4	33.1	27.3	23.5	18.7	15.5	8.2

### 1.60 V/C - discharge in ampere at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	40.5	25.0	18.9	15.1	10.9	7.7	6.0	3.2	2.3	1.8	1.5	1.3	1.0	0.9	0.5
HPX 12120	98.5	65.1	50.5	41.5	31.1	23.0	18.6	10.8	7.8	6.1	5.1	4.4	3.4	2.8	1.5
HPX 12200	166.8	109.2	82.7	66.6	48.4	34.4	26.8	14.6	10.2	8.0	6.6	5.6	4.4	3.6	1.9
HPX 12290	234.2	155.6	123.8	100.0	70.8	49.9	38.9	22.0	15.5	12.2	10.1	8.7	6.9	5.7	3.0
HPX 12425	326.7	227.3	180.7	147.6	106.3	75.7	58.8	32.6	23.1	18.2	15.1	12.9	10.2	8.4	4.4
HPX 12480	348.8	258.8	205.6	166.7	120.4	85.8	67.5	38.3	27.2	21.4	17.7	15.2	11.9	9.8	5.2
HPX 12525	366.9	280.5	228.5	186.2	133.9	94.2	71.9	39.8	28.4	22.4	18.5	15.9	12.5	10.3	5.4
HPX 12630	463.5	347.8	278.9	232.3	174.7	128.7	103.0	58.1	41.1	32.1	26.6	22.7	17.7	14.5	7.6
HPX 12670	507.8	369.2	304.4	253.4	190.0	138.9	109.5	61.7	43.2	34.0	28.0	24.2	19.1	15.9	8.4

## ▶ Discharge data in Watt per cell

### 1.85 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	52.8	35.6	28.2	23.5	17.6	12.9	10.1	5.5	4.0	3.1	2.6	2.3	1.8	1.5	0.8
HPX 12120	121.5	93.3	76.8	65.3	51.0	38.9	31.7	18.9	13.9	11.0	9.2	7.9	6.3	5.2	2.7
HPX 12200	199.0	144.2	116.2	97.6	75.4	56.4	45.2	25.6	18.3	14.3	11.9	10.2	8.1	6.7	3.6
HPX 12290	262.3	196.5	166.3	143.9	110.9	81.1	65.0	38.5	27.7	21.9	18.3	15.8	12.6	10.5	5.5
HPX 12425	363.7	282.0	247.8	217.9	168.9	127.0	102.5	58.4	41.9	32.9	27.4	23.7	18.8	15.8	8.3
HPX 12480	408.1	334.7	286.3	243.4	188.8	139.6	113.2	67.8	49.2	38.8	32.2	27.7	21.8	18.2	9.6
HPX 12525	409.7	347.0	294.6	253.3	194.4	143.2	113.9	65.3	48.4	39.1	32.3	28.6	22.9	19.2	10.1
HPX 12630	497.8	416.3	366.4	329.0	261.1	199.4	162.9	96.6	70.3	56.2	47.3	41.1	32.7	27.3	14.3
HPX 12670	537.7	438.4	382.7	337.8	271.0	209.1	172.5	102.8	74.4	59.5	49.8	43.5	34.9	29.5	15.6

### 1.80 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	58.0	38.4	30.1	24.7	18.2	13.2	10.4	5.7	4.1	3.2	2.7	2.3	1.9	1.68	0.9
HPX 12120	137.1	102.2	82.2	68.4	53.6	40.8	33.4	19.8	14.3	11.3	9.5	8.1	6.4	5.3	2.8
HPX 12200	227.6	160.2	127.1	105.1	80.1	59.3	47.4	26.3	18.7	14.7	12.2	10.4	8.2	6.9	3.6
HPX 12290	308.7	221.1	186.4	157.0	118.1	85.3	68.0	39.9	28.6	22.5	18.8	16.2	12.9	10.8	5.7
HPX 12425	413.0	307.7	269.0	232.7	176.4	130.6	105.2	59.9	42.9	33.7	28.1	24.3	19.3	16.1	8.4
HPX 12480	452.1	369.2	308.6	260.6	198.3	145.4	117.7	69.9	50.4	39.8	33.1	28.3	22.3	18.6	9.8
HPX 12525	475.7	381.6	322.6	274.1	207.5	153.8	119.3	68.5	50.4	40.3	33.6	29.4	23.1	19.5	10.2
HPX 12630	583.6	464.8	403.5	355.1	278.1	210.8	171.7	100.2	72.9	57.7	48.3	41.8	33.3	27.7	14.6
HPX 12670	615.4	480.8	417.8	371.3	293.0	223.2	181.3	106.8	77.1	61.2	51.1	44.4	35.6	30.0	15.9

### 1.75 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	63.0	40.1	31.6	25.7	18.8	13.6	10.7	5.8	4.2	3.3	2.8	2.4	2.0	1.6	0.9
HPX 12120	154.5	108.1	86.6	72.3	55.3	41.7	34.1	20.2	14.6	11.5	9.6	8.2	6.5	5.4	2.8
HPX 12200	253.0	172.4	135.7	111.1	83.4	61.2	48.9	26.9	19.0	14.9	12.4	10.6	8.3	6.9	3.7
HPX 12290	353.2	242.4	199.6	166.5	122.7	88.3	70.0	41.0	29.2	22.9	19.0	16.4	13.1	10.9	5.8
HPX 12425	465.0	342.2	290.0	244.5	182.2	133.6	107.2	61.3	43.7	34.3	28.6	24.7	19.6	16.3	8.5
HPX 12480	499.6	401.3	330.8	276.0	206.7	150.7	121.6	71.1	51.3	40.3	33.5	28.9	22.7	18.8	9.9
HPX 12525	530.7	414.4	350.4	294.5	219.2	159.9	124.5	71.3	52.1	41.1	34.4	29.9	23.5	19.8	10.5
HPX 12630	661.2	521.8	438.3	377.7	290.8	219.8	179.2	103.3	75.0	59.3	49.5	42.9	33.9	28.0	14.8
HPX 12670	710.1	530.7	458.9	398.9	312.2	235.1	190.2	110.7	79.2	62.5	52.0	45.2	36.1	30.4	16.2

### 1.70 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	66.5	41.8	32.6	26.3	19.4	14.0	10.9	6.0	4.3	3.4	2.8	2.5	2.0	1.6	0.9
HPX 12120	167.8	114.3	89.2	74.2	56.6	42.6	34.8	20.5	14.8	11.7	9.7	8.4	6.6	5.5	2.9
HPX 12200	271.2	183.3	142.9	116.2	86.3	62.9	49.9	27.4	19.3	15.1	12.5	10.8	8.5	7.0	3.7
HPX 12290	378.4	261.2	211.5	175.2	127.6	90.6	71.8	41.4	29.7	23.3	19.3	16.7	13.3	11.0	5.8
HPX 12425	506.0	366.8	305.4	257.5	189.6	137.9	109.5	61.9	44.4	34.9	29.1	25.0	19.8	16.5	8.6
HPX 12480	547.6	430.4	348.0	290.7	214.9	155.8	124.3	72.1	52.0	41.1	34.1	29.2	23.0	19.1	10.0
HPX 12525	593.1	452.7	376.0	313.7	232.5	167.9	130.4	73.8	53.4	42.1	35.0	30.3	24.2	20.1	10.6
HPX 12630	722.4	555.3	462.8	397.6	303.2	228.4	185.4	106.7	76.5	60.3	50.4	43.4	34.3	28.3	15.0
HPX 12670	785.4	577.9	499.2	430.2	332.1	246.5	197.9	113.6	80.8	63.8	53.0	45.8	36.7	30.9	16.4

### 1.67 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	68.4	42.6	33.3	27.0	19.8	14.2	11.1	6.1	4.3	3.5	2.9	2.5	2.0	1.7	0.9
HPX 12120	177.1	118.7	92.8	76.3	57.9	43.4	35.5	20.8	15.0	11.8	9.9	8.5	6.7	5.5	2.9
HPX 12200	291.5	194.5	150.0	121.4	89.3	64.5	51.2	28.0	19.7	15.4	12.7	10.9	8.6	7.1	3.8
HPX 12290	406.6	274.0	225.1	183.2	131.4	93.3	73.7	42.3	30.0	23.6	19.6	16.9	13.4	11.2	5.9
HPX 12425	555.3	396.5	324.6	267.6	196.7	141.4	112.0	62.7	44.9	35.3	29.4	25.2	20.0	16.7	8.7
HPX 12480	600.7	457.2	370.3	304.6	223.9	160.4	127.2	73.1	52.7	41.6	34.4	29.6	23.3	19.3	10.2
HPX 12525	635.8	485.4	403.4	334.2	243.9	175.1	135.4	75.5	54.4	42.8	35.8	31.0	24.7	20.4	10.7
HPX 12630	777.5	591.1	490.9	416.4	317.3	237.7	191.8	109.9	78.2	61.7	51.1	44.1	34.6	28.6	15.2
HPX 12670	852.0	630.1	539.0	454.3	344.4	255.5	203.8	116.8	82.8	65.0	53.9	46.6	37.2	31.2	16.6

### 1.60 V/C - discharge in watt per cell at 25°C

Battery type	5 min	10 min	15 min	20 min	30 min	45 min	1 h	2 h	3 h	4 h	5 h	6 h	8 h	10 h	20 h
HPX 12045	69.5	43.6	33.6	27.2	20.0	14.3	11.2	6.1	4.4	3.5	2.9	2.5	2.0	1.7	0.9
HPX 12120	181.9	121.3	94.8	78.2	59.3	44.0	35.9	21.0	15.2	12.0	10.0	8.6	6.8	5.6	2.9
HPX 12200	308.1	203.4	155.2	125.9	92.2	65.9	51.7	28.3	20.0	15.7	13.0	11.1	8.7	7.2	3.8
HPX 12290	432.7	289.8	232.3	189.0	134.8	95.6	75.2	42.7	30.4	24.0	20.0	17.2	13.6	11.3	6.0
HPX 12425	603.6	423.4	339.1	279.0	202.3	145.1	113.5	63.3	45.1	35.7	29.7	25.5	20.2	16.8	8.7
HPX 12480	644.5	482.0	385.7	315.2	229.1	164.4	130.2	74.5	53.2	42.0	34.9	29.9	23.6	19.4	10.3
HPX 12525	677.9	522.5	428.7	352.1	254.8	180.7	138.8	77.5	55.6	44.1	36.6	31.6	24.9	20.6	11.0
HPX 12630	829.6	628.8	511.8	429.8	325.9	242.2	195.1	110.8	78.8	61.9	51.5	44.3	34.6	28.5	15.2
HPX 12670	908.9	667.5	558.6	468.8	354.4	261.2	207.5	117.7	82.9	65.5	54.3	47.1	37.5	31.3	16.6



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