

*Power You Can
Depend On*



PLP Series

Valve Regulated Lead Acid Battery

— Designed for UPS Standby Power Applications



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PLP Series



PURE LEAD PLUS

Valve Regulated Lead Acid Battery

Designed for UPS Standby Power Applications



Applications

- Data Centers
- Network Operation Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks and Financial Markets
- Power Generation Plants
- Hospital and Testing Laboratories
- Emergency Response Center

Features and Benefits

- 15 year design life
- Eurobat classification: Long life
- Pure Lead Paste for long life, extreme high rate and stable performance
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance
- UL Recognized Flame-arresting vents in each cell for safety and long life
- Flame retardant polypropylene case and cover compliant with UL94 V-0
- Designed with the same recombination, thermal runaway prevention, gassing and flame-retardant characteristics of the Bellcore 4228 compliant Dynasty Telecom products
- Designed to be compliant with international standard IEC 60896-21/22
- C&D's Long-Life Alloy having very low calcium levels in the industry -minimizing grid growth, reducing gassing, and extending battery life
- C&D's plate processing technology for high active materials utilization- result in high energy density and low flow currents
- Thermally welded and Helium leak tested case-to-cover bond to ensure a robust leak proof seal
- Manufactured in accordance with ISO 9001, ISO 14001, and ISO 45001
- Not restricted for air transport -Complies with IATA/ICAO Special Provisions A67
- Not restricted for surface transport -Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport -Classified as non-hazardous material per IMDG Amendment 27.

Specifications

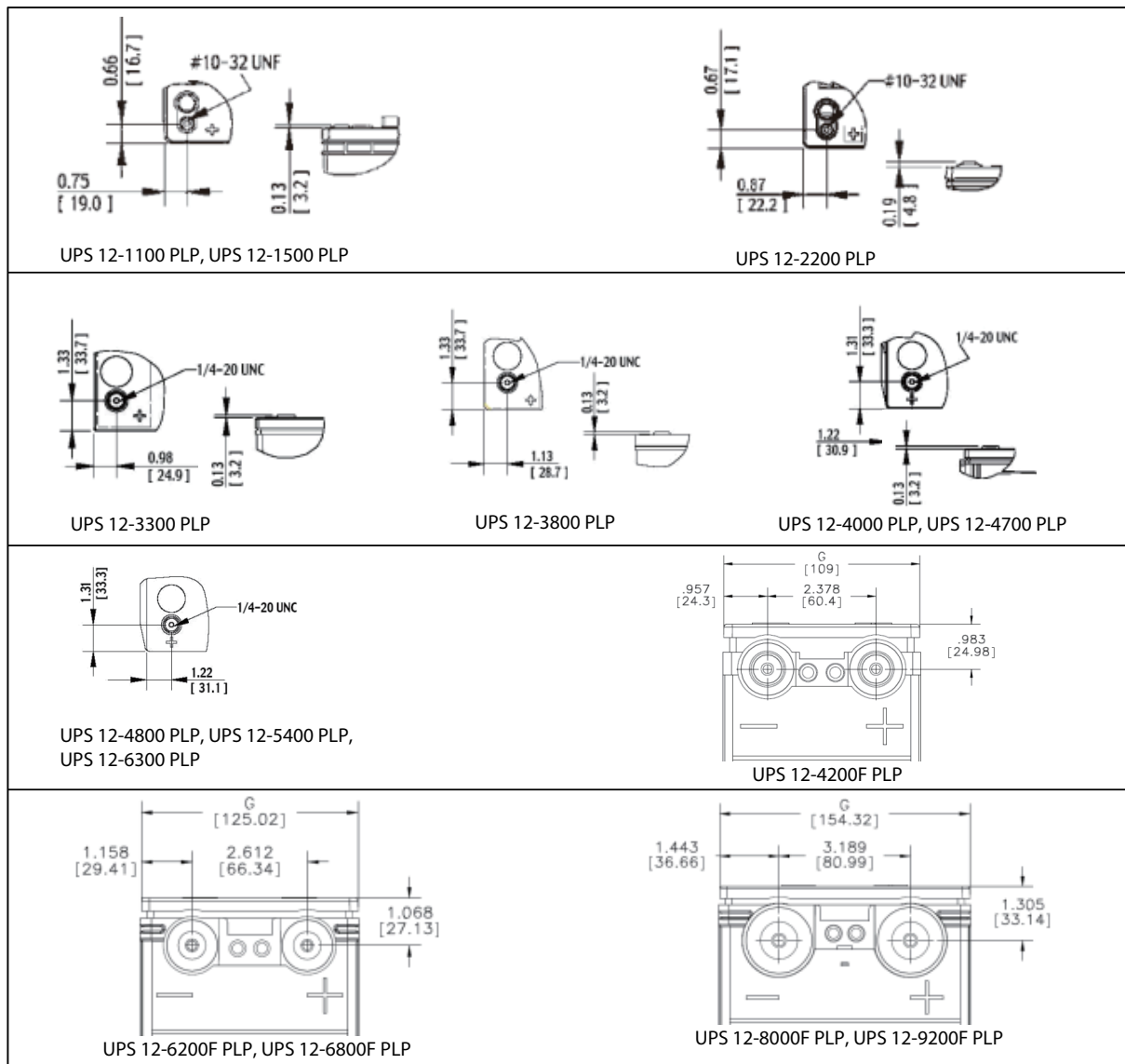
Model	V	Dimensions (mm)				Weight / Kg	Terminal(Bolt)
		L	W	H	TH		
UPS 12-1100 PLP	12	197	132	166	173	10.7	Insert (#10-32 UNF)
UPS 12-1500 PLP	12	197	132	166	173	12.4	Insert (#10-32 UNF)
UPS 12-2200 PLP	12	242	142	200	205	19.0	Insert (#10-32 UNF)
UPS 12-3300 PLP	12	273	174	200	204	27.0	Insert (1/4-20 UNC)
UPS 12-3800 PLP	12	319	174	202	205	31.5	Insert (1/4-20 UNC)
UPS 12-4000 PLP	12	341	173	213	216	35.3	Insert (1/4-20 UNC)
UPS 12-4700 PLP	12	341	173	213	216	38.0	Insert (1/4-20 UNC)
UPS 12-4800 PLP	12	345	173	275	278	46.6	Insert (1/4-20 UNC)
UPS 12-5400 PLP	12	345	173	275	278	48.6	Insert (1/4-20 UNC)
UPS 12-6300 PLP	12	345	173	275	278	52.9	Insert (1/4-20 UNC)
UPS 12-4200F PLP	12	511	109	231	231	37.1	Insert (M6)
UPS 12-6200F PLP	12	559	125	278	278	55.2	Insert (M8)
UPS 12-6800F PLP	12	559	125	322	322	64.9	Insert (M8)
UPS 12-8000F PLP	12	559	154	322	322	77.3	Insert (M8)
UPS 12-9200F PLP	12	559	154	322	322	85.2	Insert (M8)
Operating Temperature Range with temperature compensation	Discharge: -40°F (-40°C) to +160°F (71°C) Charge: -10°F (-23°C) to +140°F (60°C)						
Nominal Operating Temperature Range	+74°F (23°C) to +80°F (27°C)						
Recommended Maximum Charging Current Limit	C/5 amperes @ 20hr rate						
Float Charging Voltage	13.65 ± 0.15 VDC average per 12V unit						
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Max voltage allowed = 1.4% RMS (4% P-P) Max current allowed = C/20 A RMS						
Self Discharge	Battery can be stored up to 4 months at 77°F (25°C) before a freshening charge is required. Batteries stored at temperatures greater than 77°F (25°C) will require recharge sooner than batteries stored at lower temperatures. See C&D brochure 41-7272, Self-Discharge and Inventory Control for details.						
Equalize charge and cycle service voltage	14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C)						

*All dimensions are for reference only. Model name with "F" means Front Access battery. Contact a C&D Representative for complete dimensional information.

Specifications

Model	Cells Per Unit	Maximum Discharge Current (Amps)	Short Circuit Current (Amps @ 0.1 Sec)	IEC Short Current (Amps)	IEC Resistance (mΩ)
UPS 12-1100 PLP	6	300	1375	1003	12.35
UPS 12-1500 PLP	6	300	2283	1475	8.45
UPS 12-2200 PLP	6	300	3264	1985	6.37
UPS 12-3300 PLP	6	800	4026	2381	5.29
UPS 12-3800 PLP	6	800	4705	2734	4.65
UPS 12-4000 PLP	6	800	5330	3199	4.06
UPS 12-4700 PLP	6	800	5890	3350	3.77
UPS 12-4800 PLP	6	800	5525	3160	3.96
UPS 12-5400 PLP	6	800	6396	3613	3.48
UPS 12-6300 PLP	6	800	7423	4146	2.99
UPS 12-4200F PLP	6	800	4956	2864	4.40
UPS 12-6200F PLP	6	800	6560	3698	3.40
UPS 12-6800F PLP	6	900	7911	4400	2.80
UPS 12-8000F PLP	6	1200	9787	5376	2.31
UPS 12-9200F PLP	6	1200	10109	5543	2.28

Battery Terminations



Note: Specifications subject to change without notification.

Batteries to be mounted with 15 mm spacing minimum and free air ventilation.

The design life listed indicates the service life under ideal service conditions.

Changes in service conditions do not affect the design life, but the actual service life will be shorter than the design life.

PLP Series

UPS12-1100 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	143.9	105.8	86.4	72.7	63.6	57.0	44.2	36.9	27.4
1.80	-	-	-	158.7	117.7	95.2	79.3	68.8	61.3	47.0	39.0	28.6
1.75	-	-	-	167.5	127.0	99.5	82.8	71.8	63.9	48.6	40.0	29.0
1.70	215.3	205.9	185.1	173.9	131.7	103.3	85.5	73.7	65.4	49.4	40.5	29.3
1.67	220.1	211.2	190.0	177.9	134.0	105.7	87.1	74.9	66.3	49.9	40.8	29.4
1.65	223.4	214.1	193.7	180.6	136.5	107.3	88.2	75.7	66.9	50.2	41.0	29.6

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	68.2	52.4	42.2	28.4	18.2	10.5	7.5	4.9	3.3	2.7	2.3	1.5
1.85	80.0	61.1	48.5	31.4	20.1	11.4	8.2	5.4	3.6	2.9	2.5	1.6
1.80	88.6	68.0	53.7	33.6	21.0	11.9	8.5	5.6	3.7	3.1	2.6	1.7
1.75	93.3	71.3	56.3	34.9	21.5	12.1	8.6	5.7	3.8	3.1	2.6	1.7

UPS12-1500 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	204.4	156.3	124.0	101.4	86.9	76.5	56.9	46.0	32.5
1.80	-	-	-	225.9	172.5	137.0	110.5	93.7	81.8	59.5	47.5	33.5
1.75	-	-	-	235.8	179.6	143.0	114.5	96.4	83.8	60.4	47.9	33.7
1.70	305.2	285.1	262.4	245.7	185.2	147.0	117.5	98.8	85.8	61.3	48.3	34.0
1.67	310.1	296.2	268.1	249.0	189.0	150.0	119.2	99.8	86.3	61.6	48.5	34.1
1.65	316.7	300.7	272.8	250.6	192.0	152.0	120.4	100.6	86.8	61.9	48.7	34.3

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	103.4	79.3	62.7	38.4	23.0	12.4	8.6	5.5	3.6	3.0	2.5	1.6
1.85	118.6	90.9	71.8	42.6	25.2	13.5	9.4	6.0	3.9	3.2	2.8	1.7
1.80	128.4	98.5	77.8	45.3	26.4	14.1	9.9	6.2	4.1	3.3	2.8	1.7
1.75	134.1	102.7	80.0	46.7	26.8	14.4	10.0	6.3	4.1	3.3	2.9	1.8

UPS12-2200 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	304.9	229.5	184.9	153.8	133.4	118.8	90.6	74.8	53.9
1.80	-	-	-	336.7	255.4	202.2	166.1	142.7	126.1	95.2	78.0	56.1
1.75	-	-	-	354.8	267.3	211.0	172.3	147.4	129.7	96.7	78.5	56.9
1.70	450.8	430.7	388.3	366.4	273.6	217.0	176.1	149.8	131.3	97.7	79.2	57.3
1.67	460.5	438.7	395.1	371.4	277.4	220.0	178.0	151.1	132.2	98.3	79.6	57.5
1.65	463.3	441.0	400.2	374.8	280.0	222.0	179.3	152.0	132.9	98.6	79.8	57.7

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	153.3	119.2	95.6	60.8	35.0	19.0	13.3	8.4	5.5	4.5	3.8	2.4
1.85	176.4	130.9	106.9	66.9	38.6	20.8	14.5	9.2	6.0	4.8	4.2	2.6
1.80	189.7	139.7	115.0	71.0	39.8	21.4	15.0	9.5	6.3	5.1	4.4	2.7
1.75	197.4	145.0	119.6	72.4	40.7	21.9	15.3	9.7	6.3	5.2	4.4	2.8

UPS12-3300 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	465.3	351.9	278.0	230.4	199.2	176.9	134.5	110.7	80.5
1.80	-	-	-	510.2	383.8	304.8	249.7	213.9	188.6	141.9	115.9	83.9
1.75	-	-	-	534.1	401.0	314.3	257.2	220.2	194.0	145.4	118.5	85.5
1.70	668.0	625.8	573.1	543.4	412.3	321.5	263.2	225.4	198.6	147.0	118.8	85.9
1.67	679.2	636.3	582.7	552.4	419.2	326.4	266.6	227.8	200.4	147.7	119.0	86.2
1.65	683.1	640.0	586.1	555.7	423.9	329.4	269.3	230.3	202.7	148.7	119.4	86.5

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	200.2	170.7	135.2	87.3	53.4	29.4	20.7	13.4	8.7	7.1	6.0	3.7
1.85	248.3	185.0	150.5	95.9	58.0	31.8	22.4	14.5	9.4	7.6	6.5	4.0
1.80	267.8	196.8	162.3	101.8	60.7	33.1	23.3	15.1	9.8	7.9	6.7	4.1
1.75	277.5	203.2	168.2	105.4	62.0	33.8	23.7	15.4	9.9	8.0	6.8	4.2

UPS12-3800 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	531.0	397.4	310.9	262.1	229.7	206.2	158.6	131.6	93.4
1.80	-	-	-	580.7	441.9	339.9	283.3	245.9	219.2	167.0	137.7	97.4
1.75	-	-	-	614.3	467.9	359.6	297.3	256.5	227.4	171.3	140.1	98.8
1.70	764.0	719.2	663.2	632.1	481.9	370.0	304.5	261.8	231.5	174.3	142.5	100.2
1.67	777.2	731.6	674.6	643.0	492.0	376.4	309.0	265.1	234.0	175.9	143.7	100.8
1.65	786.1	740.0	682.4	650.4	498.9	380.7	312.0	267.3	235.7	177.3	144.9	101.5

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	217.8	191.5	159.6	103.3	61.7	33.7	23.6	15.1	10.0	8.3	7.0	4.5
1.85	291.3	223.0	178.0	114.5	67.4	36.7	25.7	16.4	10.9	8.9	7.6	4.9
1.80	316.8	241.4	192.0	122.5	69.3	37.8	26.5	17.0	11.3	9.3	7.9	5.1
1.75	330.3	251.3	200.2	125.5	71.0	38.6	27.1	17.3	11.4	9.4	8.0	5.1

UPS12-4000 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	544.7	405.5	338.8	286.4	251.4	226.0	175.4	146.5	104.3
1.80	-	-	-	611.7	454.6	372.8	311.0	270.2	241.0	185.4	153.9	109.2
1.75	-	-	-	636.9	475.7	386.2	323.7	282.2	252.4	191.3	157.2	111.4
1.70	815.0	773.8	722.3	660.4	495.1	399.9	333.3	289.4	257.9	194.0	158.5	112.3
1.67	829.4	793.8	749.3	667.4	508.8	407.8	339.0	293.8	261.4	195.6	159.3	112.8
1.65	833.0	800.0	758.7	675.7	514.3	411.7	342.2	296.4	263.7	196.7	159.8	113.1

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	214.4	201.5	162.3	109.9	68.2	36.9	25.8	16.4	10.8	8.9	7.6	4.8
1.85	295.7	236.8	189.0	122.2	74.8	40.4	28.2	17.9	11.8	9.7	8.2	5.2
1.80	346.5	262.6	210.0	131.0	78.7	42.3	29.4	18.6	12.2	10.0	8.5	5.4
1.75	363.0	277.5	220.0	134.8	79.7	42.9	29.8	19.0	12.5	10.2	8.6	5.5

UPS12-4700 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	549.4	465.1	378.1	315.7	274.6	245.0	189.1	157.3	109.9
1.80	-	-	-	660.7	519.4	415.2	343.4	296.4	262.9	200.6	165.6	115.3
1.75	-	-	-	723.8	566.6	441.1	362.4	311.1	274.7	207.0	169.3	117.7
1.70	984.1	912.3	822.5	755.0	594.8	460.1	375.2	320.3	281.5	210.4	171.2	118.9
1.67	1016.3	942.1	849.3	779.6	612.3	475.1	384.7	326.6	285.8	212.6	172.3	119.6
1.65	1024.8	950.0	856.5	786.2	624.2	479.1	388.2	329.8	288.7	214.1	173.2	120.1

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	267.5	238.1	187.5	119.2	73.8	39.7	27.6	17.5	11.5	9.4	8.0	5.1
1.85	358.9	276.7	217.5	132.9	81.5	43.6	30.3	19.1	12.5	10.2	8.7	5.5
1.80	397.7	305.2	241.0	142.7	85.7	45.8	31.7	19.9	13.0	10.6	9.0	5.7
1.75	424.5	325.8	257.3	148.8	86.6	46.9	32.4	20.3	13.2	10.8	9.1	5.7

UPS12-4800 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	537.2	440.4	376.5	323.0	288.9	263.8	208.2	176.0	129.4
1.80	-	-	-	631.1	512.5	426.0	359.0	316.8	286.1	222.4	186.0	136.8
1.75	-	-	-	684.2	551.9	454.0	379.0	332.0	298.0	229.0	190.0	138.5
1.70	919.7	866.7	800.5	741.2	593.5	483.7	400.3	348.2	310.8	235.9	194.0	140.1
1.67	970.3	914.5	844.7	782.0	614.4	500.0	411.4	356.4	317.0	238.6	195.0	140.7
1.65	1008.0	950.0	877.5	812.4	633.2	510.9	419.0	362.0	321.3	240.6	196.0	141.2

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	214.2	212.4	188.8	131.0	80.0	46.4	33.4	22.0	14.8	12.0	10.2	6.4
1.85	295.0	269.1	220.2	147.6	91.5	51.6	36.9	24.2	16.3	13.3	11.3	7.1
1.80	383.7	312.2	249.6	160.0	97.2	54.4	38.7	25.2	16.9	13.8	11.7	7.3
1.75	422.3	334.0	266.5	166.3	98.5	55.0	39.4	25.8	17.3	14.1	11.9	7.5

PLP Series

UPS12-5400 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	574.7	485.6	408.4	350.6	311.5	282.8	224.4	190.4	135.6
1.80	-	-	-	698.8	570.4	467.8	393.2	343.7	307.9	239.8	200.8	142.3
1.75	-	-	-	782.7	625.7	508.8	422.0	365.0	324.2	248.9	206.3	145.9
1.70	979.1	940.0	891.1	841.8	664.9	534.2	439.4	377.5	333.6	253.4	208.5	147.2
1.67	1027.2	986.2	934.9	883.1	693.3	550.2	453.9	391.0	346.2	258.2	209.7	148.0
1.65	1062.5	1020.0	966.9	913.4	704.2	561.2	461.5	396.5	350.3	259.8	210.2	148.5

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	284.9	246.3	206.9	145.3	88.4	51.7	36.4	23.6	15.4	12.5	10.6	6.7
1.85	350.2	294.6	246.6	162.4	97.3	57.0	39.7	25.2	16.6	13.6	11.6	7.3
1.80	423.8	342.0	279.0	176.5	103.2	59.9	41.6	26.3	17.3	14.1	12.0	7.6
1.75	467.3	363.2	299.0	182.9	106.3	61.4	42.6	26.8	17.6	14.4	12.2	7.7

UPS12-6300 PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	804.7	647.9	532.5	443.0	377.6	336.4	245.2	195.9	140.0
1.80	-	-	-	933.3	724.0	583.7	480.2	405.5	358.8	258.1	204.2	145.6
1.75	-	-	-	992.7	771.0	612.2	499.9	419.3	369.2	265.0	209.5	149.2
1.70	1269.9	1196.8	1105.4	1023.3	787.5	625.5	508.5	424.9	373.1	267.7	211.5	150.5
1.67	1281.6	1207.8	1115.5	1032.7	796.3	630.1	512.4	428.2	376.1	269.7	213.0	151.5
1.65	1300.8	1225.8	1132.1	1048.0	803.8	636.2	516.4	430.9	378.0	270.9	213.9	152.1

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	260.7	256.7	217.1	146.8	88.1	49.1	34.4	21.7	14.1	11.5	9.7	6.1
1.85	368.4	312.8	253.7	167.9	98.2	54.3	38.0	24.0	15.5	12.6	10.6	6.6
1.80	455.9	362.4	292.0	185.0	104.2	57.2	40.2	25.2	16.2	13.2	11.1	6.9
1.75	495.3	389.9	311.3	189.5	106.4	58.1	40.8	25.5	16.4	13.3	11.2	7.0

UPS12-4200F PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	558.5	421.8	331.3	279.0	240.5	216.0	162.4	132.6	95.4
1.80	-	-	-	635.2	466.2	366.2	306.5	262.7	235.0	173.6	140.0	100.5
1.75	-	-	-	670.0	491.7	386.1	321.2	273.8	244.0	178.3	142.7	102.4
1.70	844.2	795.5	734.8	701.2	514.6	404.1	334.4	283.8	252.0	182.6	145.3	104.2
1.67	856.7	807.4	745.7	711.6	522.3	410.1	339.5	288.2	256.0	184.8	146.6	105.1
1.65	867.2	817.2	754.8	720.3	528.6	415.1	344.1	292.5	260.0	186.9	147.9	106.0

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	209.0	190.0	151.8	99.6	60.6	35.0	25.4	16.7	10.8	8.8	7.5	4.7
1.85	282.9	224.1	178.0	113.9	66.8	38.4	27.7	18.5	12.0	9.7	8.2	5.1
1.80	329.3	253.3	199.6	124.3	71.0	40.5	29.2	19.4	12.6	10.2	8.6	5.3
1.75	355.0	269.4	211.5	127.6	73.0	41.5	29.8	19.8	12.8	10.4	8.8	5.5

UPS12-6200F PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	744.5	622.5	501.6	431.7	379.0	344.9	261.6	215.0	156.8
1.80	-	-	-	937.4	694.5	553.2	472.5	412.2	373.4	281.2	230.0	166.2
1.75	-	-	-	988.2	742.6	583.1	494.2	428.2	386.0	288.0	234.0	169.0
1.70	1234.6	1163.5	1074.6	1025.5	770.7	605.1	508.0	436.4	391.0	291.4	236.5	170.7
1.67	1255.0	1182.7	1092.4	1042.5	783.4	615.1	513.8	439.4	392.5	292.8	237.8	171.5
1.65	1265.2	1192.3	1101.2	1050.9	789.8	620.1	516.8	441.2	393.5	293.4	238.2	172

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	273.9	273.9	231.4	157.2	97.0	55.3	39.6	26.0	17.1	13.9	11.8	7.4
1.85	378.0	340.4	272.3	180.5	109.0	61.8	44.0	28.7	19.0	15.5	13.1	8.1
1.80	482.1	383.0	312.0	197.0	117.5	65.8	46.7	30.4	20.1	16.3	13.8	8.5
1.75	551.1	408.0	330.0	201.0	120.0	67.0	47.5	30.9	20.3	16.5	13.9	8.6

UPS12-6800F PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	758.4	649.2	545.0	476.6	424.2	390.0	300.0	249.0	181.5
1.80	-	-	-	964.3	730.8	597.2	520.0	461.3	423.0	323.1	266.8	193.2
1.75	-	-	-	1035.9	791.7	630.1	544.1	479.1	437.0	330.8	271.5	196.5
1.70	1324.3	1248.0	1152.7	1100.0	852.2	669.1	570.2	496.4	449.0	336.0	273.5	198.6
1.67	1365.9	1287.2	1188.9	1134.6	878.9	700.1	583.0	503.6	453.0	338.1	274.7	199.3
1.65	1385.7	1305.9	1206.1	1151.0	891.7	703.1	590.1	508.7	457.0	339.7	275.2	199.7

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	280.4	280.4	252.5	172.0	107.0	64.1	46.0	30.4	20.1	16.4	13.9	8.7
1.85	394.4	367.2	296.5	199.0	121.0	71.4	51.1	33.5	22.1	18.0	15.2	9.5
1.80	508.3	414.3	341.0	221.0	130.0	75.1	53.9	35.2	23.2	18.8	15.9	9.9
1.75	586.2	451.9	363.0	230.0	134.4	76.6	54.6	35.7	23.6	19.2	16.2	10.1

UPS12-8000F PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	846.0	776.8	643.1	568.8	511.3	473.4	366.7	305.9	219.9
1.80	-	-	-	1075.6	871.2	706.0	622.5	558.1	515.8	394.0	325.4	232.3
1.75	-	-	-	1224.4	948.9	770.1	661.3	590.1	543.5	409.9	335.6	238.8
1.70	1549.7	1460.4	1348.8	1287.2	1009.9	800.6	688.9	609.9	558.5	417.3	339.4	241.3
1.67	1622.7	1529.3	1412.4	1347.9	1044.6	830.1	713.0	624.8	567.9	422.0	341.9	242.8
1.65	1630.3	1536.4	1419.0	1354.2	1049.5	834.0	717.5	629.7	573.0	424.7	343.4	244.0

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	339.6	339.6	294.9	217.9	138.4	82.3	60.0	39.1	25.9	21.1	17.8	10.9
1.85	463.9	440.5	360.5	253.1	156.0	90.1	65.2	42.3	27.8	22.7	19.2	11.9
1.80	588.1	506.2	411.3	278.0	164.0	94.0	67.5	43.8	29.1	23.8	20.1	12.4
1.75	675.6	529.6	437.7	292.8	169.5	96.2	68.4	44.4	29.7	24.2	20.5	12.6

UPS12-9200F PLP

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	2min	3min	4min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min
1.85	-	-	-	1012.3	933.0	759.8	649.5	566.8	513.7	384.4	313.0	229.6
1.80	-	-	-	1297.6	1044.5	850.6	720.9	624.5	563.0	415.1	334.4	243.6
1.75	-	-	-	1400.5	1114.9	907.9	763.7	657.3	589.7	431.2	345.3	250.1
1.70	1795.0	1691.6	1562.4	1491.0	1186.9	983.1	801.7	681.6	606.1	442.0	353.2	254.7
1.67	1857.3	1750.4	1616.6	1542.8	1228.2	1000.2	823.7	696.0	616.2	447.7	356.9	256.7
1.65	1884.2	1775.6	1640.0	1565.1	1245.9	1014.5	834.1	703.7	622.3	451.4	359.4	257.9

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.90	373.0	373.0	345.0	238.5	148.5	84.7	60.6	39.1	25.6	20.9	17.8	11.1
1.85	521.7	480.0	393.0	270.0	168.0	96.1	67.9	43.2	28.1	22.9	19.4	12.0
1.80	670.4	550.0	448.0	300.0	181.1	102.0	71.3	45.0	29.3	23.9	20.2	12.5
1.75	765.0	600.0	490.0	315.0	187.5	104.1	72.1	45.4	29.7	24.3	20.6	12.7



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