

Maintenance free sealed lead acid batteries *APS Data Centre Plus* Series

UPS12-775 DC+ (12V 775Wpc)



Dimensions

- Length: 522 mm
- Width: 238 mm
- Height: 218 mm
- Total Height: 223 mm
- Approx. Weight: 67.0 Kg

APPLICABLE STANDARDS

- IEC60896-2, BS 6290-4, DOT 167, UL, CE

APPLICATIONS

- UPS
- Telecommunications
- Utility power distribution
- Emergency lighting
- Photovoltaic / Solar / Wind
- Power stations
- Railways
- Engine starting



APS Data Centre Plus Series batteries are designed for applications that require **HIGH POWER OUTPUT**. By optimizing the design of battery grids and plate paste the **APS Data Centre Plus** Series can deliver up to 40% more than conventional VRLA batteries. With 10 years design life, the batteries comply with the most popular international standards such as IEC896-21/22, BS6290-4, Eurobat High Performance. With more than 15 years of production experience the **APS Data Centre Plus** Series of VRLA batteries are recognized as one of the most reliable and high quality battery system in the industry.

INNOVATIVE FEATURES

- Pos. & Neg. plates in lead-calcium tin alloy
- Superior energy density
- Low internal pressure
- Low self-discharge
- Useable in any orientation
- Supplied with lifting handles (≥ 370Wpc)
- Optional flame Retardant ABS container

TECHNICAL SPECIFICATIONS

Voltage 12 volt nominal
 Plate alloy Lead Calcium
 Container/Case ... ABS
 Charge voltage Float: 13.6 to 13.8 V @ 25 deg C
 Max. Recharge 0.3 C10 (Amperes)
 Shelf life 6 months @ 25 deg C
 Design life 10 years

UPS12-775 DC+ Technical Specifications

Constant Current Discharge Data* (Amperes @ 25°C)

End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min
1.60	565	447	370	320	289	255	231	211	191	176	163
1.65	539	428	354	306	277	244	221	202	184	169	157
1.70	514	409	338	293	266	234	212	194	176	162	151
1.75	488	390	321	279	254	223	202	185	169	155	144
1.80	463	371	305	265	242	212	192	176	161	148	138

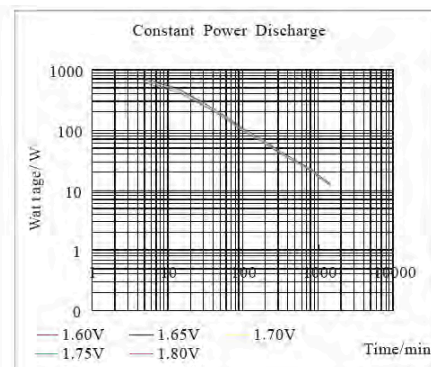
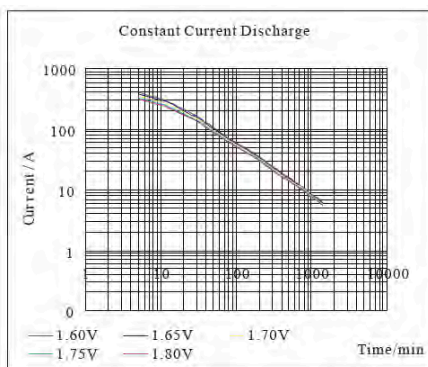
	1.5hr	2h	2.5hr	3h	5h	6hr	7hr	8hr	10hr	12hr	24hr
1.60	115	91.0	76.1	66.5	43.0	36.5	32.0	28.6	23.4	20.1	10.2
1.65	110	87.6	73.3	64.1	41.6	35.3	31.0	27.7	22.8	19.5	9.90
1.70	106	84.3	70.6	61.8	40.1	34.0	30.0	26.8	22.2	18.9	9.60
1.75	102	80.9	67.8	59.8	38.7	32.8	29.0	25.9	21.6	18.3	9.30
1.80	97.5	77.5	65.0	57.0	37.3	31.5	28.0	25.0	21.0	17.7	9.00

Constant Power Discharge Data* (Watts per cell @ 25°C)

End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min
1.60	1010	806	650	560	509	455	405	375	342	315	290
1.65	965	775	625	542	594	441	394	365	333	307	283
1.70	920	743	600	525	480	428	383	355	324	298	275
1.75	875	712	575	507	465	414	371	345	314	290	268
1.80	830	680	550	489	450	400	360	335	305	281	260

	1.5hr	2h	2.5hr	3h	5h	6hr	7hr	8hr	10hr	12hr	24hr
1.60	210	168	144	128	100	70.8	62.4	55.5	46.4	40.4	21.0
1.65	205	164	141	125	97.8	69.3	61.1	54.4	45.5	39.7	20.7
1.70	299	161	137	122	95.5	67.7	59.7	53.3	44.6	39.0	20.4
1.75	294	157	134	118	93.3	66.2	58.4	52.1	43.7	38.2	20.0
1.80	288	153	130	115	91.0	64.6	57.0	51.0	42.8	37.5	19.7

*All data is within standard production tolerances, electrical values are approximate and APS reserves the right to modify data without prior notice.
NB. The above characteristics data are average values obtained within three charge/discharge cycles not minimum values.



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