



POWER-PLUS

TUBULAR GEL TECHNOLOGY FOR TELECOM APPLICATIONS

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POWER PLUS TUBULAR GEL TELECOM RANGE UTILIZES PROVEN MATERIALS & CONSTRUCTION TECHNOLOGY TAILORED FOR THE SPECIFIC DEMANDS OF THE WORLDWIDE TELECOMMUNICATION INDUSTRY. PERFORMANCE IS GREATLY ENHANCED BY THE INCLUSION OF SPECIAL MATERIALS, TECHNIQUES AND PROCESSES DEVELOPED THROUGH EXTENSIVE R&D AND EXHAUSTIVE TESTING.

MANUFACTURED TO THE HIGHEST INTERNATIONAL STANDARDS, THE RANGE IS IDEAL FOR RELIABLE USE IN ALL FIXED LINE AND WIRELESS COMMUNICATION APPLICATIONS.

Operation

Nominal Voltage - 2V

Float Charge - 2.23 - 2.30 vpc at 20 - 25°C

Frequent Use Applications - Superior cycle life at all depths of discharge

Design Life - 15 Years @ 25°C

Connection - Cables, bus bar connectors and terminal covers available on request.

Operating Temperature - -20 to 50°C



Construction

VRLA - Maintenance free

Positive plate - Tubular, high tin content for long float and cycle life

Negative Plate - Flat pasted with frame

Separator - Microporous Polymer

Formation - Superior proprietary in-case-formation

Electrolyte - Very high purity Sulfuric acid

Flame Arrester - Standard

Terminal - Female insert as standard, proven, reliable, long life sealing method

Case - High impact resistant ABS flame retardant to UL94-V0 on request.

Venting valve - EPDM rubber, excellent acid resistance for long life

Specification - Built to comply with IEC 896-2, DIN 43534, BS 6290 Pt4, Eurobat.

Transport - Approved as non-hazardous cargo for ground, sea and air transportation in accordance with US DOT Regulation 49 and ICAO & IATA Packing Instruction 806.

SEALED LEAD ACID 2 VOLT TUBULAR GEL BLOC

Battery Model	Nominal Voltage	C1	C3	C5	C10	C100
		1.67 VPC	1.75 VPC	1.77 VPC	1.80 VPC	1.85 VPC
OPzV 200 T	2	139	169	183	206	245
OPzV 250 T	2	176	214	231	260	309
OPzV 300 T	2	210	255	276	310	369
OPzV 350 T	2	244	296	320	360	428
OPzV 420 T	2	291	353	383	430	512
OPzV 490 T	2	339	411	445	500	595
OPzV 600 T	2	413	501	543	610	726
OPzV 770 T	2	528	641	694	780	928
OPzV 800 T	2	548	666	721	810	964
OPzV 1000 T	2	687	834	903	1015	1208



The Quality & Management system governing the manufacture of this product is ISO 9001:2000 and ISO 14001:2004 certified.

Battery Model	Dimensions (mm)			Total Height	Approx. Weight Kg	Dimensions (Inch)			Total Height	Approx. Weight lbs	Terminal Pairs	Internal Resistance mOhms	Terminal 18 Nm Torque
	Length	Width	Height			Length	Width	Height					
OPzV 200 T	105	208	360	395	19	4.13	8.19	14.17	15.55	42.0	1	1.1	M8
OPzV 250 T	126	208	360	395	22.5	4.96	8.19	14.17	15.55	49.7	1	0.9	M8
OPzV 300 T	147	208	360	395	28	5.79	8.19	14.17	15.55	61.9	1	0.8	M8
OPzV 350 T	126	208	475	510	31	4.96	8.19	18.70	20.08	68.5	1	0.7	M8
OPzV 420 T	147	208	475	510	36	5.79	8.19	18.70	20.08	79.6	1	0.6	M8
OPzV 490 T	168	208	475	510	42	6.61	8.19	18.70	20.08	92.8	1	0.5	M8
OPzV 600 T	147	208	650	685	50	5.79	8.19	25.59	26.97	110.5	1	0.45	M8
OPzV 770 T	215	254	475	510	64	8.46	10.00	18.70	20.08	141.4	1	0.4	M8
OPzV 800 T	215	193	650	685	68	8.46	7.60	25.59	26.97	150.3	2	0.35	M8
OPzV 1000 T	215	235	650	685	82	8.46	9.25	25.59	26.97	181.2	2	0.26	M8

Charging

The maximum applied charging current should be 20% of C20. In cyclic applications the maximum applied charging voltage should be 2.4 vpc.

For:

- Daily discharge less than 0.4 x C100. Use 2.30 - 2.35 at 20 Degrees C
- Daily discharge more than 0.4 x C100. Use 2.35 - 2.40 at 20 Degrees C

Charging Voltage is adjusted 5 mV/C

