

Sealed Lead Acid Batteries

2, 6 & 12 V AGM Range Summary

Top Terminal & Front Access Styles



2 V models: 50Ah to 3850Ah

6 V & 12 V models: 15Ah to 230Ah

12 V front access: 55Ah to 150Ah

Features

- Completely maintenance free, sealed construction eliminates the need for watering
- Long design life – 12 to 15 years
- Fully tank formed plates
- Analytical grade electrolyte
- Spill proof / leak proof
- Valve regulated – max internal pressure 2.5psi
- Multi-position usage
- ABS flame retardant case & cover (V0)
- Low self discharge
- FAA & IATA approved as non hazardous
- AGM, absorbed glass matt separators
- Built to comply with IEC896-2, DIN43534, BS6290 Pt4, Eurobat

Applications

- Float service
- Uninterruptible Power Supplies
- Medical
- Telecommunications
- Switch Gear
- Photovoltaic
- Solar
- Wind
- Cellular Radio Stations
- Cathodic Protection
- Navigation Aids
- Marine Equipment
- Electric Power Systems
- Sealed Outdoor Cabinets

The ever expanding range of 2, 6 & 12 V mono bloc batteries incorporate medium thickness plate design (Pb-Ca-Sn) and assembly processes provide for the best all round performance in varied applications.

Cases and covers are made from thick flame retardant ABS, able to meet the requirements of international standards.

Terminal design and construction provides trouble free operation throughout the life of these cells. Some models incorporate central gassing and built in flame arrester for sealed cabinet applications.

Technical Specifications

2 V range – 50Ah to 3850Ah

Specifications

		Model	Amp Hours C10	Dimensions (mm)		Weight (kg)	Height	Weight
				Length	Width			
Nominal Voltage	2 Volts	PWTD2-50FR	50	161	50	166	3.8	
Design Life	15 Years	PWTD2-100FR	100	171	72	205	5.6	
Operating Temperature	-20 °C to 50 °C	PWTD2-150FR	150	172	102	205	10	
Grid alloy	Calcium / Tin lead alloy	PWTD2-200FR	201	173	111	329	14.2	
Plates	Flat Pasted	PWTD2-250FR	251	173	111	329	17	
Separator	Absorbant Glass Mat	PWTD2-300FR	301	171	151	330	19.7	
Active material	Very high purity lead	PWTD2-375FR	377	171	151	330	23.5	
Case and cover	ABS (VO)	PWTD2-400FR	401	211	176	329	27	
Charge Voltage	Float - 2.27, Cycling 2.4 @20 °C Max. 2.4 VPC Max ripple 0.05C (A)	PWTD2-450FR	451	223	187	351	32	
Electrolyte	Sulphuric acid Analytical grade purity	PWTD2-500-1FR	502	211	176	329	32.3	
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)	PWTD2-500-2FR	502	241	172	331	32.3	
Terminal	Epoxy sealed by extended mechanical paths	PWTD2-575FR	572	223	187	351	36.5	
Torque setting	The recommended torque value for all types is 5-7 Nm	PWTD2-600FR	602	301	175	331	38	
Cables	Connectors supplied as standard, cables on request.	PWTD2-625FR	628	241	172	331	39	
		PWTD2-750FR	752	301	175	331	51	
		PWTD2-800FR	803	410	175	330	52.5	
		PWTD2-1000-1FR	1003	410	330	175	63	
		PWTD2-1000-2FR	1003	475	328	175	63	
		PWTD2-1250FR	1255	475	175	328	78	
		PWTD2-1500FR	1511	401	351	342	103	
		PWTD2-1875FR	1883	401	351	342	125	
		PWTD2-2000FR	2011	491	351	344	132	
		PWTD2-2500FR	2511	491	351	344	175	
		PWTD2-3000FR	3011	712	353	341	211	
		PWTD2-3850FR	3862	712	353	341	261	

6 V & 12 V range – 15Ah to 230Ah

Specifications

		Model	Amp Hours C20	Dimensions (mm)		Weight (kg)	Height	Weight
				Length	Width			
Nominal Voltage	6 & 12 Volts	PWTC12-15FR	17.4	200	76	123	5.14	
Design Life	12 Years @ 20 °C	PWTC12-18FR	17.7	181	76	167	6.25	
Operating Temperature	-10 °C to 45 °C	PWTC12-26FR	26.7	166	176	126	9.2	
Grid alloy	Calcium / Tin lead alloy	PWTC12-28FR	28.8	166	125	175	9.4	
Plates	Flat Pasted	PWTC12-33FR	32.7	195	130	160	10.9	
Separator	Absorbant Glass Mat	PWTC12-40FR	40	250	93.5	194	13.3	
Active material	Very high purity lead	PWTC12-44FR	40.3	197	165	170	13.6	
Case and cover	ABS (VO)	PWTC12-55FR	52.7	228	137	207	17.5	
Charge Voltage	Float 2.27 - 2.30 VPC @20 °C Cycling 2.40 @20 °C Max. 2.4 VPC Max ripple 0.05C (A)	PWTC12-70FR	64.1	350	167	179	22.1	
Electrolyte	Sulphuric acid Analytical grade purity	PWTC12-70FR	65.4	259	168	208	21.5	
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)	PWTC12-80FR	75.7	259	168	208	23.7	
Terminal	Various types Epoxy sealed by extended mechanical paths	PWTC12-90FR	86.1	305	168	208	29	
Torque setting	The recommended torque value for all types is 5-7 Nm	PWTC12-100FR	95.4	305	168	208	30	
Cables	Insulated cables / connectors supplied on request.	PWTC12-110FR	106.2	332	174	213	32.2	
		PWTC12-120FR	116	408	176	227	35	
		PWTC12-135FR	128	340	173	280	39.6	
		PWTC12-150FR	144	482	170	242	44.2	
		PWTC12-160FR	159	530	209	214	52.2	
		PWTC12-200FR	193	520	240	220	66	
		PWTC12-230FR	222	521	269	203	70	
		PWTC6-110FR	108	193	168	205	16	
		PWTC6-160FR	166	298	171	226	26	
		PWTC6-200FR	193	318	170	225	31	

12 V front access range – 55Ah to 150Ah

Specifications

		Model	Amp Hours C10	Dimensions (mm)		Weight (kg)	Height	Weight
				Length	Width			
Nominal Voltage	12 Volts	PWTC12F-55FR	55.3	280	105	225	18	
Design Life	12 Years	PWTC12F-80FR	80.9	560	113	190	26	
Operating Temperature	-20 °C to 50 °C	PWTC12F-90FR	102	505	110	235	30	
Grid alloy	Calcium / Tin lead alloy	PWTC12F-100FR	103	395	110	285	34	
Plates	Flat Pasted	PWTC12F-150FR	152	550	110	285	47.1	
Separator	AGM - Absorbant Glass Mat							
Active material	Very high purity lead							
Case and cover	ABS (VO)							
Charge Voltage	Float 2.27 - 2.30 VPC @25 °C Cycling 2.35 @25 °C Max. 2.4 VPC Max ripple 0.05C (A)							
Electrolyte	Sulphuric acid Analytical grade purity							
Venting Valve	EPDM Rubber 1.5 to 2 psi (10.5 - 14 KPa) release pressure. Resealing at 1 psi (7 KPa)							
Terminal	Epoxy sealed by extended mechanical paths							
Torque setting	The recommended torque value is 5-7 Nm							
Connectors	Supplied as standard							

See detailed product brochure for full specifications
Specifications subject to change without notice



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