

# Powerware 12V Front Terminal SLA battery range



PWTC12F55FR



PWTC12F80FR



PWTC12F100FR



PWTC12F150FR

General Specifications	Model Characteristics							
	Battery	Dimensions mm			Weight kg	Ah (C10) 1.80 VPC	Design life (years)	Part Number
		L	W	H				
<ul style="list-style-type: none"> <li>Completely maintenance free, sealed construction eliminates the need for watering</li> <li>Fully tank formed plates</li> <li>Analytical grade electrolyte</li> <li>Spill proof / leak proof</li> <li>Valve regulated max. internal pressure of 2.5 PSI</li> <li>Gas recombination in excess of 99%</li> <li>ABS flame retardant case and cover</li> <li>Low self discharge</li> <li>FAA and IATA approved as non-hazardous</li> <li>Built to comply with IEC896-2, DIN 43534, BS 6290 Pt4, Eurobat.</li> </ul>	PWTC12F55FR	280	105	225	18	56.3	12	116274
	PWTC12F80FR	560	113	190	26	80.9	12	117233
	PWTC12F100FR	395	110	285	34	103	12	115424
	PWTC12F150FR	550	110	285	47	152	12	115425

## Discharge tables-Amps: Powerware 12V Front Terminal Batteries

### PWTC12F55FR

Constant Current Discharge – Amps @ 20 °C

End VPC	5m	10m	15m	20m	25m	30m	35m	40m	45m	60m	90m	2h	3h	4h	5h	8h	10h	12h	20h
1.85	135	108	90.3	76.7	68.1	61.2	54.8	49.5	45.4	35.6	24.6	19.0	13.4	10.5	8.71	5.77	4.70	4.03	2.65
1.80	158	130	109	93.2	82.9	74.8	67	60.6	55.7	44	30.4	23.5	16.5	12.9	10.7	6.98	5.63	4.78	3
1.75	170	137	114	96.1	85.2	76.4	68.3	61.7	56.6	44.2	30.5	23.5	16.5	13	10.7	7.04	5.7	4.86	3.09
1.70	183	143	118	99.1	87.4	78.1	69.6	62.7	57.4	44.5	30.6	23.6	16.6	13	10.7	7.09	5.78	4.94	3.18
1.65	189	146	119	99.9	87.7	78.4	69.9	62.9	57.6	44.5	30.7	23.6	16.6	-	-	-	-	-	-
1.60	201	152	122	102	89	79.1	70.2	63.1	57.8	44.6	30.7	23.6	16.6	-	-	-	-	-	-

### PWTC12F80FR

Constant Current Discharge – Amps @ 20 °C

End VPC	5m	10m	15m	20m	25m	30m	35m	40m	45m	60m	90m	2h	3h	4h	5h	8h	10h	12h	20h
1.85	194	156	130	110	98	88	78.8	71.1	65.4	51.3	35.4	27.4	19.3	15.1	12.5	8.3	6.76	5.8	3.81
1.80	227	187	157	134	119	108	96.3	87.1	80.1	63.3	43.7	33.8	23.8	18.6	15.3	10	8.09	6.88	4.32
1.75	245	197	163	138	123	110	98.3	88.7	81.4	63.6	43.9	33.9	23.8	18.6	15.4	10.1	8.2	6.99	4.45
1.70	263	206	169	143	126	112	100	90.3	82.6	64	44.1	33.9	23.8	18.7	15.5	10.2	8.31	7.11	4.58
1.65	272	210	171	144	126	113	101	90.5	82.8	64.1	44.1	34	23.9	-	-	-	-	-	-
1.60	289	219	176	146	128	114	101	90.8	83.1	64.1	44.1	34	23.9	-	-	-	-	-	-

### PWTC12F100FR

Constant Current Discharge – Amps @ 20 °C

End VPC	5m	10m	15m	20m	25m	30m	35m	40m	45m	60m	90m	2h	3h	4h	5h	8h	10h	12h	20h
1.85	247	198	165	141	125	112	100	90.6	83.2	65.3	45.1	34.9	24.6	19.3	15.9	10.6	8.6	7.4	4.91
1.80	289	239	200	171	152	137	123	111	102	80.5	55.6	43	30.2	23.7	19.5	12.8	10.3	8.79	5.56
1.75	312	250	208	176	156	140	125	113	104	81	55.9	43.1	30.3	23.7	19.6	12.9	10.4	8.93	5.73
1.70	335	262	216	181	160	143	128	115	105	81.5	56.1	43.2	30.4	23.8	19.7	13	10.6	9.08	5.9
1.65	346	267	218	183	161	144	128	115	105	81.6	56.1	43.3	30.4	-	-	-	-	-	-
1.60	368	278	224	186	163	145	129	116	106	81.7	56.2	43.3	30.5	-	-	-	-	-	-

### PWTC12F150FR

Constant Current Discharge – Amps @ 20 °C

End VPC	5m	10m	15m	20m	25m	30m	35m	40m	45m	60m	90m	2h	3h	4h	5h	8h	10h	12h	20h
1.85	333	270	223	186	161	144	130	119	110	88.6	62.3	48.2	34.3	27.2	22.8	15.3	12.7	10.9	6.94
1.80	390	324	270	226	195	176	158	146	135	109	76.8	59.5	42.3	33.4	27.9	18.5	15.2	12.9	7.86
1.75	421	340	280	233	201	180	162	149	137	110	77.1	59.6	42.3	33.5	28	18.7	15.4	13.1	8.1
1.70	452	356	290	240	206	184	165	151	139	111	77.4	59.7	42.4	33.5	28.1	18.8	15.6	13.3	8.33
1.65	467	363	294	242	207	185	165	152	139	111	77.5	59.8	42.5	-	-	-	-	-	-
1.60	496	378	301	247	210	186	166	152	140	111	77.6	59.8	42.5	-	-	-	-	-	-

Capacity temperature correction factor to be applied to data.

Base = 20°C

Discharge time	0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C
5 Minutes to 59 Minutes	0.8	0.86	0.91	0.96	1	1.037	1.063	1.085	1.1
1 Hour to 100 Hours	0.86	0.9	0.93	0.97	1	1.028	1.05	1.063	1.07



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