



PYL SERIES LONG LIFE BATTERIES

BECAUSE WHEN THE POWER IS OUT, YOU DON'T WANT THEIR PHONES TO BE.



10 YEAR DESIGN LIFE

Exceeds TELCORDIA GR-1200 criteria



CAPACITY RANGE

45Ah - 200Ah



HIGH TEMPERATURE LONG LIFE DESIGN

Primary lead for long life

Low calcium alloy for long life

Additives to maintain compression

Designed to control charging current as temperature increases

No thermal runaway

Epoxy sealed terminals to prevent post leaks

Rugged ABS cases to minimize handling damage



COMPLIANCE

VZ TPR-9802

GR-4228

GR-1089

GR-63 NEBS



SAFETY

UL 94V-0

UL 1989

ABOUT THE PYL SERIES

Proven in the real world, the PYL Series of telecom batteries provides security and long life in extreme climates where other VRLA batteries just don't survive. The PYL technology utilizes proprietary lead alloys and active material additives. The PYL Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.



ABOUT GS

GS BATTERY (U.S.A.) INC. is an American subsidiary of GS Yuasa Corporation Japan, the global leader in energy storage. Our batteries and energy storage systems are manufactured to the highest standards and deliver high quality, long life and superior performance in a wide variety of mission critical applications. GS Battery's products deliver reliable battery power for Telecommunications, Renewable Energy, Uninterruptible Power Supply (UPS), Emergency Lighting, Power Sports, and Automotive industries.

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PYL SERIES

LONG LIFE BATTERIES

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	*RATED CAPACITY at 8 Hr (Ah)	**RECOMMENDED TEMPERATURE		L		W		H		TH		WEIGHT		TERMINAL
			Charge / Discharge	Storage	mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
PYL12V45FS	12	45	-0 to 40°C (32 to 104°F)	-20 to 40°C (-4 to 104°F)	278	11.0	103	4.0	197	7.8	197	7.8	15.0	33.0	Front-M5 Bolt
PYL12V80TT		80			259	10.2	168	6.6	212	8.4	212	8.4	27.0	59.5	Top-M6 Bolt
PYL12V90TT		92			305	12.0	173	6.8	220	8.7	224	8.8	32.0	70.6	Top-M6 Bolt
PYL12V90FS		90			395	15.6	105	4.1	255	10.0	255	10.0	30.0	66.1	Front-M6 Bolt Top-M8 Bolt
PYL12V100FA		102			558	22.0	125	4.9	233	9.2	233	9.2	41.0	90.3	Front-M6 Bolt Top-M8 Bolt
PYL12V100FT		100			508	20.0	106	4.2	236	9.3	236	9.3	34.9	76.9	Front-M6 Bolt Top-M6 Bolt
PYL12V100FS		100			395	15.6	106	4.2	290	11.4	290	11.4	34.0	75.0	Front-M6 Bolt Top-M8 Bolt
PYL12V140TT		140			341	13.4	173	6.8	281	11.0	281	11.0	49.0	108.0	Top-M8 Bolt
PYL12V155FT		155			556	21.9	123	4.8	295	11.6	295	11.6	51.0	112.0	Front-M6 Bolt Top-M8 Bolt
PYL12V160FT		160			556	21.9	125	4.9	280	11.0	280	11.0	52.7	116.2	Front-M6 Bolt Top-M8 Bolt
PYL12V175FT		175			556	21.9	125	4.9	317	12.5	317	12.5	56.0	123.5	Front-M6 Bolt Top-M8 Bolt
PYL12V185FT		185			556	21.9	125	4.9	317	12.5	317	12.5	60.7	133.8	Front-M6 Bolt Top-M8 Bolt
PYL12V200FT		200			604	23.8	123	4.8	320	12.6	320	12.6	67.0	147.7	Front-M6 Bolt Top-M8 Bolt

*Maximum Charge Current is 25% of the 8 Hr. Rate

**Operating Humidity 5-85% RH

AMPERES TO FINAL VOLTAGE: 1.75V@25°C (77°F)

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V45FS	18.1	12.9	10.0	8.3	7.2	6.2	5.6	5.1	4.6	4.0	2.4
PYL12V80TT	32.4	23.1	18.4	15.5	13.5	11.6	10.0	9.0	8.2	7.1	4.3
PYL12V90TT	33.1	23.6	18.9	16.1	14.1	12.5	11.5	10.3	9.4	8.3	4.9
PYL12V90FS	34.2	24.4	19.3	16.1	14.1	12.5	11.3	10.3	9.2	8.3	5.0
PYL12V100FA	35.8	28.2	22.2	18.5	16.0	14.2	12.8	11.3	10.4	9.3	5.4
PYL12V100FT	40.4	28.9	23.0	18.9	15.9	14.0	12.5	11.6	10.2	9.2	5.2
PYL12V100FS	39.9	28.3	22.2	18.4	15.8	13.9	12.5	11.3	10.3	8.7	5.5
PYL12V140TT	59.0	42.2	32.9	27.1	22.2	19.7	17.5	15.9	14.6	12.8	7.9
PYL12V155FT	61.8	43.9	34.4	28.5	24.6	21.6	19.3	17.5	16.0	13.7	8.6
PYL12V160FT	62.6	44.7	35.1	29.2	25.2	22.2	20.0	18.1	16.6	14.1	8.9
PYL12V175FT	66.8	48.0	38.0	31.7	27.4	24.3	21.9	19.9	18.2	15.5	9.9
PYL12V185FT	71.2	52.0	41.3	34.4	30.0	26.0	23.1	21.0	19.3	17.7	10.2
PYL12V200FT	80.7	57.5	45.1	37.7	32.1	28.1	25.0	22.6	20.8	17.5	10.9

WATTS TO FINAL VOLTAGE: 1.75V@25°C (77°F)

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V45FS	213	151	117	97	82	72	66	58	54	45	28
PYL12V80TT	405	289	231	196	159	139	123	112	102	87	54
PYL12V90TT	403	288	230	189	171	159	143	125	111	101	60
PYL12V90FS	389	280	219	182	162	144	130	115	105	96	58
PYL12V100FA	444	324	256	213	182	160	142	127	117	103	63
PYL12V100FT	467	337	267	219	188	167	146	137	119	110	63
PYL12V100FS	470	333	261	216	185	163	146	132	121	102	65
PYL12V140TT	709	499	386	318	269	235	206	188	171	145	93
PYL12V155FT	730	517	405	335	288	255	226	209	187	167	100
PYL12V160FT	739	526	414	343	296	260	234	212	194	165	104
PYL12V175FT	788	565	447	373	322	286	257	233	213	181	115
PYL12V185FT	829	609	487	407	351	315	275	250	232	215	123
PYL12V200FT	952	685	539	451	383	335	298	271	250	210	131

Dealer Information



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