



JP

“MPower” JP Series Maintenance-Free Valve Regulated Lead-Acid Batteries



GENERAL FEATURES

- Sealed construction(Non-Spillable Battery)
- Electrolyte Suspension System
- Gas Recombination
- Maintenance Free Operation
- Operation in any Orientation
- Low Pressure Venting System
- Heavy Duty Grids
- Long Service Life
- Low Self Discharge – long Shelf Life
- Wide Operating Temperature Range



Maintenance-Free Valve Regulated Lead-Acid Batteries

APPLICATION

•Uninterruptible Power Supplies / Telecommunications Systems / Communication Equipment / Security & Alarm Systems / Emergency Lighting Systems / Power Tools / Portable Cine & Video Recorders / Toys / Cable Television / Solar Powered Systems / Control Equipment / Vending Machines / Electronic Test Equipment / Microprocessor Based Office Machines / Geophysical Equipment / Medical Equipment / Electronic Cash Registers

“JP” SERIES (FOR GENERAL APPLICATION)

Many models are available in a wide range of sizes. This ensures that all general application are covered by various ranges of capacity.

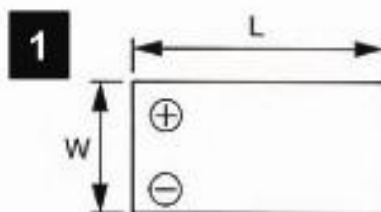
SPECIFICATION

Model	Volts	Nominal Capacity (20Hr rate)	Approx. Dimensions			Approx. Weight	Layout	Terminals	Packing pcs./box
			Length	Width	Overall Height				
			mm	mm	mm	Kg			
JP4-6	6	4	70±1	47±1	106±1	0.8	4	A	20
JP7-6		7	151±1	34±1	97.5±1	1.25	3	A	16
JP10-6		10	151±1	50±1	97.5±1	1.72	3	A	10
JP1.2-12	12	1.2	97±1	43±1	59±1	0.59	5	A	20
JP2.3-12		2.3	178±1	60±1	67±1	0.96	3	A	20
JP4-12		4	90±1	70±1	106±1	1.7	3	A	10
JP7.2-12		7.2	151±1	65±1	97.5±1	2.4	1	A/B	8
JP9-12		9	151±1	65±1	97.5±1	2.64	1	A/B	8
JP12-12		12	151±1	98±1	97.5±1	3.6	1	C	4
JP18-12		18	181±1	76±1	167±1	5.3	2	D	4
JP26-12		26	166±1	175±1	125±1	8.9	2	D	2
JP33-12		33	200±1	133±1	185±1	9.8	2	E	1
JP40-12		40	197±1	165±1	170±1	13.3	2	G	1
JP50-12		50	229±1	138±1	216±1	18.25	3	G	1
JP65-12		65	350±1	166±1	174±1	20/7	2	G	1
JP80-12		80	259±1	168±1	213±1	26.7	3	G	1
JP90-12		90	307±1	168±1	216±1	29.5	3	G	1

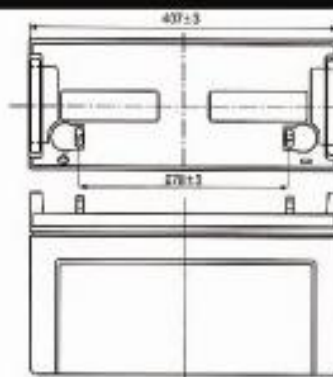
Final Voltage: 1.75V/cell, Temperature: 25°C (77°F)

Following Layout and Terminal specifications are applicable for all specification tables of **JP** series batteries

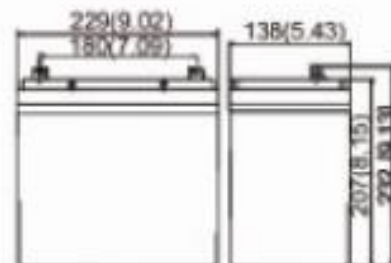
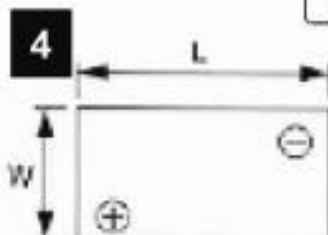
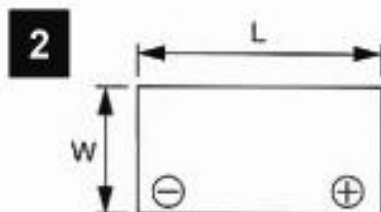
LAYOUT



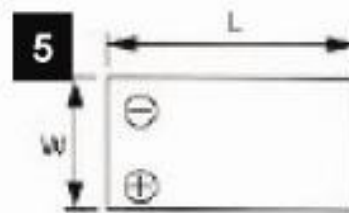
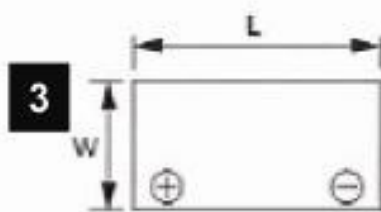
Sizes
in mm



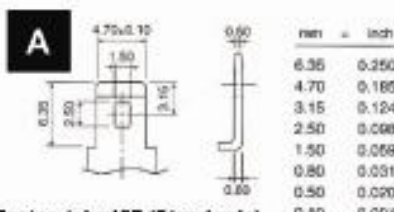
JP65-12



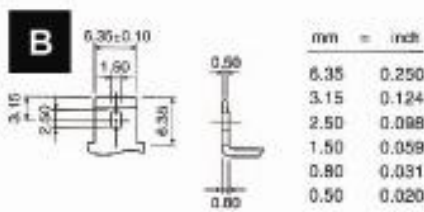
JP50-12



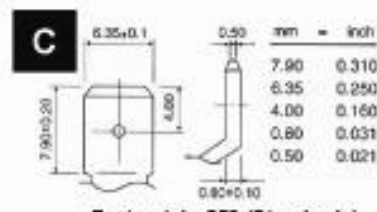
TERMINALS



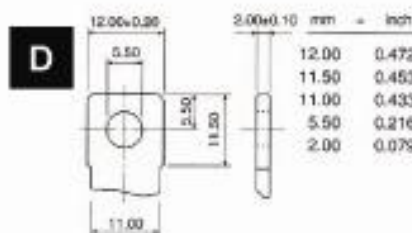
Faston tab: 187 (Standards)



Faston tab: 250 (Standards)

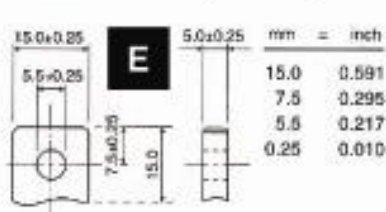


Faston tab: 250 (Standards)



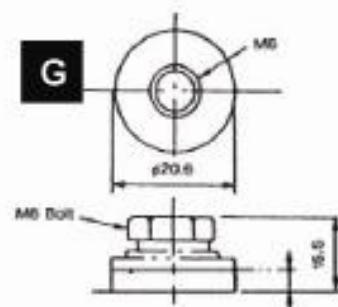
• Bolt Type : M5
• Tightening Torque : 1.95-2.94(Nm) (20-30kgf.cm)

Bolt fastened terminal



• Bolt Type : M5
• Tightening Torque : 1.95-2.94(Nm)
(20-30kgf.cm)

Bolt fastened terminal



Bolt fastened terminal

JXH SERIES

MPower “JXH” batteries are designed with unique valve regulating devices and acid free constructions, ensuring safety and suitability to the contemporary business environment

Designed Life: 10 years

FEATURES

- Up to 15% more capacity
- Maintenances-free
- Higher energy efficiency
- Negligible gas emissions
- Valve regulated
- Systems compatible
- No equalizing charge required
- No free Acid (Non-spillable Battery)

APPLICATIONS

- UPS
- Telecommunications
- Alarms systems
- Fire & security systems
- Emergency lighting
- Engine starting
- Solar powered systems
- Utilities / Rail

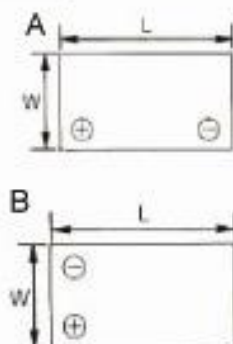
General Specifications



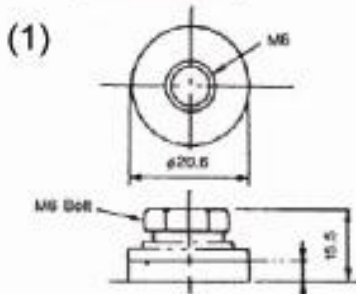
Model	Volts	Nominal Capacity (20hr rate)*1	Approx. Dimensions			Approx. Weight Kg	Layout	Terminal Type	Internal Resistance mΩ
			Length	Width	Overall Height				
			mm	mm	Mm				
JXH100-12 JXH100-12J	12	100	330±1 407±1	172±1 175±1	215±1 208/238±1	31 34.5	A	1	5.5
JXH150-12		150	485±1	170±1	240±1	45.5	A	3	4.8
JXH200-12		200	522±1	260±1	213 / 238±1	65	B	3	4

Final Voltage: 1.75V/cell Temperature: 25°C (77°F)

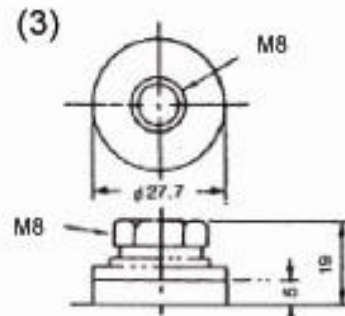
LAYOUT



TERMINAL



JXH100-12



JXH150-12 / JXH200-12

CONSTANT DISCHARGE CURRENT PERFORMANCE (Amps/Watts)

Temperature: 25° C (77° F)

(Watts and Amperes Per Cell) Amperes to F.V. 1.60 Volts Per Cell

Time		1 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
Model																		
JXH100-12	A	370	312	227	167	134	112	99.0	88.0	81.0	74.0	60.0	-	-	-	-	-	-
	W	603	524	405	306	248	209	187	167	154	141	115	-	-	-	-	-	-
JXH150-12	A	555	468	341	251	201	168	149	132	122	111	90						
	W	903.5	786	607	459	372	313	281	251	231	212	173						
JXH200-12	A	740	624	454	334	268	224	198	176	162	148	120	-	-	-	-	-	-
	W	1204	1048	808	612	496	416	374	334	308	282	230	-	-	-	-	-	-

Temperature: 25° C (77° F)

(Watts and Amperes Per Cell) Amperes to F.V. 1.65 Volts Per Cell

Time		5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
Model																	
JXH100-12	A	347	295	211	159	130	111	97.5	86.5	79.0	72.5	59.0	37.0	-	-	-	-
	W	578.5	506.5	378	292	241	207	185	165	151	139	114	69	-	-	-	-
JXH150-12	A	520.5	442.5	316	239	195	166	146	130	119	109	88.5	55.5				
	W	866.8	759.3	566	438	362	310	277	247	226	208	170	106				
JXH200-12	A	694	590	421	318	260	221	195	173	158	145	118	74.0	-	-	-	-
	W	1155	1012	754	584	492	412	369	329	301	277	227	142	-	-	-	-

Temperature: 25° C (77° F)

(Watts and Amperes Per Cell) Amperes to F.V. 1.70 Volts Per Cell

Time		5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
Model																	
JXH100-12	A	324	278	194	151	126	109	96.0	85.0	77.0	71.0	58.0	36.0	26.0	-	-	-
	W	554	489	351	278	234	205	182	162	147	136	112	70.0	51.0	-	-	-
JXH150-12	A	486	417	291	227	189	164	144	128	116	107	87	54	39			
	W	830	732.5	526	417	351	307	273	243	221	204	168	105	76.5			
JXH200-12	A	648	556	388	302	252	218	192	170	154	142	116	72.0	52.0	-	-	-
	W	1106	976	700	556	468	408	364	324	294	272	224	140	102	-	-	-

Temperature: 25° C (77° F)

(Watts and Amperes Per Cell) Amperes to F.V. 1.75 Volts Per Cell

Time		5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
Model																	
JXH100-12	A	292.5	252.5	181	145	122	106	94	83.5	75.5	70	57	35	25.5	16.5	11.5	-
	W	512.5	451	331	270	229	200	179	160	145	135	111	68	50	33.5	23	-
JXH150-12	A	438.8	378.8	272	218	183	158	141	125	113	105	85.5	52.5	38.3	24.8	17.3	
	W	768.8	676.5	497	404	343	299	269	239	218	202	166	102	75	50.3	34.5	
JXH200-12	A	585	505	362	290	244	211	188	167	151	140	114	70	51	33	23	-
	W	1025	902	662	539	457	399	358	319	290	269	221	136	100	67	46	-

Temperature: 25° C (77° F)

(Watts and Amperes Per Cell) Amperes to F.V. 1.80 Volts Per Cell

Time		5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	1 hr	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
Model																	
JXH100-12	A	261	227	168	139	118	102	92.0	82.0	74.0	69.0	56.0	34.0	25.0	16.0	11.0	9.3
	W	471	413	311	261	223	194	176	157	143	133	109	66.0	49.0	32.0	22.0	18.0
JXH150-12	A	390.5	339.5	252	209	177	153	138	123	111	104	84	51	37.5	24	16.5	14
	W	705.5	618.5	466	391	334	291	264	236	215	200	164	99	73.5	48	33	27
JXH200-12	A	520	452	336	278	236	204	184	164	148	138	112	68.0	50.0	32.0	22.0	18.6
	W	940	824	620	520	444	388	352	314	286	266	218	132	98.0	64.0	44.0	36.0

Discharge Characteristics Curves