

HR Series For High Rate Use

SPECIFICATIONS

Model	Voltage (V)	Nominal Capacity (Ah)		Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)
		15Min Rate W/Cell	10hr Rate Ah	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage	
						Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH					
HR9-6	6	36.0	8.0	1.40	3.09	T2	2	T1		151	34	94	100	5.94	1.34	3.70	3.94	120	0°C (32°F) 40°C (104°F)	-20°C (-4°F) 50°C (122°F)	-20°C (-4°F) 40°C (104°F)	2.40
HR4-12	12	16.0	3.5	1.40	3.09	T1	4	T2		134	67	60	66	5.28	2.64	2.36	2.60	52.5				1.05
HR5.5-12	12	22.0	5.0	1.80	3.97	T1	3	T2		90	70	102	106	3.54	2.76	4.02	4.17	75				1.50
HR5.8-12	12	23.0	5.3	1.88	4.15	T1	3	T2		90	70	102	106	3.54	2.76	4.02	4.17	79.5				1.59
HR6-12	12	24.0	5.5	2.10	4.63	T1	5	T2		151	51	94	100	5.94	2.01	3.70	3.94	82.5				1.65
HR8-12	12	32.0	7.0	2.80	5.73	T2	5	T1		151	65	94	100	5.94	2.56	3.70	3.94	105				2.10
HR9-12	12	36.0	8.0	2.75	6.06	T2	5	T1, B0		151	65	94	100	5.94	2.56	3.70	3.94	120				2.40
HR15-12	12	60.0	13.0	4.20	9.26	T2	5	T1		151	98	94	98	5.94	3.86	3.70	3.86	180				3.90
HR22-12	12	88.0	20.0	6.50	14.33	B1	7	T2, I1	6	181	76	166	166	7.13	2.99	6.54	6.54	300				6.00
HR33-12	12	132.0	31.0	10.00	22.05	B1	7	T2, I1	9	175	166	125	125	6.89	6.54	4.92	4.92	390				9.30
HR40-12	12	160.0	38.0	12.10	26.68	B7	8	I2		210	129	168	179	8.27	5.08	6.61	7.05	495				11.40
HR50-12	12	200.0	48.0	15.30	33.74	B2	7	I1, I2		197	165	171	171	7.76	6.50	6.73	6.73	600				14.40
HR75-12	12	300.0	73.0	24.75	54.57	B5	15	I2		350	166	174	174	13.78	6.54	6.85	6.85	650.0				21.90

RT Series For Recess Terminal Use

SPECIFICATIONS

Model	Voltage (V)	Nominal Capacity (Ah)				Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)
		20hr	10hr	5 hr	1 hr	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage	
								Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH					
BP4.5-12RT	12	4.5	4.28	3.83	2.70	1.78	3.92	RT	12		16	140	48	102	104	5.51	1.89	4.02	4.09	67.5	0°C (32°F) 40°C (104°F)	-20°C (-4°F) 50°C (122°F)	-20°C (-4°F) 40°C (104°F)	1.35
BP5.5-12RT	12	5.5	5.23	4.68	3.30	1.85	4.08	RT	12		16	140	48	102	104	5.51	1.89	4.02	4.09	82.5				1.65
BP7-12RT	12	7.0	6.65	5.95	4.20	2.40	5.29	RT	12		16	140	48	126	128	5.51	1.89	4.96	5.04	105.0				2.10

TERMINAL TYPE mm (inch)

• Terminal RT

• Terminal T1

• Terminal T2

• Terminal T3

• Terminal C

• Terminal H

• Terminal I1

• Terminal I2

• Terminal I3

• Terminal B0

• Terminal B1

• Terminal B2

• Terminal B3

• Terminal B4

• Terminal B5

• Terminal B6

• Terminal B7

• Terminal B9

• Terminal L1

Terminal	Maximum Permissible Current (Amps)		
	Continuous	1hr	1min
Faston tab 187	16	24	48
Faston tab 250	25	38	75
Wire Lead 0.5mm ²	7	20	30

BPL Series For Long Life Standby Use**SPECIFICATIONS**

Model	Voltage (V)	Nominal Capacity (Ah)			Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)
		20hr Rate	5hr Rate	30Min Rate	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage	
							Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH					
BPL3.3-12	12	3.3	2.81	1.65	1.35	2.98	T1	4	T2		134	67	60	66	5.28	2.64	2.36	2.60	49.5	0°C (32°F)	-20°C (-4°F)	-20°C (-4°F)	0.99
BPL7-12	12	7.0	5.95	3.50	2.60	5.73	T2	5	T1		151	65	93	98	5.94	2.56	3.66	3.86	105				2.10
BPL7.5-12	12	7.5	6.38	3.75	2.70	5.95	T2	5	T1		151	65	94	100	5.94	2.56	3.70	3.94	112.5				2.25
BPL12-12	12	12.0	10.20	6.00	4.10	9.04	T2	5	T1		151	98	94	98	5.94	3.86	3.70	3.86	180				3.60
BPL17-12	12	17.0	14.45	8.50	6.15	13.56	B1	7	T2.11	6	181	76	166	166	7.13	2.99	6.54	6.54	255				5.10
BPL20-12	12	20.0	17.00	10.00	6.45	14.22	B1	7	T2.11	6	181	76	166	166	7.13	2.99	6.54	6.54	300				6.00
BPL26-12	12	26.0	22.10	13.00	9.60	21.17	B1	7	T2.11	9	175	166	125	125	6.89	6.54	4.92	4.92	390				7.80
BPL28-12	12	28.0	23.80	14.00	9.70	21.39	B1	7	T2.11	9	175	166	125	125	6.89	6.54	4.92	4.92	420				8.40
BPL33-12	12	33.0	28.05	16.50	11.50	25.36	B7	8	I2		210	129	168	179	8.27	5.08	6.61	7.05	495				9.90
BPL40-12	12	40.0	34.00	20.00	14.60	32.19	B2	7	H.12		197	165	171	171	7.76	6.50	6.73	6.73	600				12.00
BPL65-12	12	65.0	55.25	32.50	22.70	50.05	B5	15	I2		350	166	174	174	13.78	6.54	6.85	6.85	650	19.50			
BPL85-12	12	85.0	72.25	42.50	34.00	74.97	B3	15	I2		329	172	215	238(B3) 220(I2)	12.95	6.77	8.46	9.37(B3) 8.66(I2)	850	25.50			
BPL95-12	12	95.0	80.75	47.50	33.20	73.20	B3	15	I2		329	172	215	238(B3) 220(I2)	12.95	6.77	8.46	9.37(B3) 8.66(I2)	950	28.50			
BPL110-12	12	110.0	93.50	55.00	40.00	88.20	B4	18	I2		407	173	210	239	16.02	6.81	8.27	9.41	1100	33.00			
BPL150-12	12	150.0	127.5	75.0	51.80	114.2	B9	8	I3		483	171	240	240	19.02	6.73	9.45	9.45	1500	45.00			
BPL210-12	12	210.0	178.5	105.0	73.20	161.4	B9	13	I3		522	240	216	240(B9) 216(I3)	20.53	9.45	8.50	9.45(B9) 8.54(I3)	2100	63.00			

MPL Series For High Rate, Long Life Standby Use**SPECIFICATIONS**

Model	Voltage (V)	Nominal Capacity (Ah)		Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)
		15Min Rate W/Cell	10hr Rate Ah	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage	
						Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH					
MPL55-12(S/H)	12	220.0	53.0	17.8	39.25	B5	8	I2		228	139	200	224(B5) 207(I2)	8.98	5.47	7.87	8.82(B5) 8.15(I2)	550	0°C(32°F)	-20°C(-4°F)	-20°C(-4°F)	15.90
MPL80-12(S/H)	12	320.0	78.0	26.0	57.33	B5	8	I2		261	173	200	224(B5) 207(I2)	10.28	6.81	7.87	8.82(B5) 8.15(I2)	800				23.40
MPL90-12(S/H)	12	360.0	88.0	29.8	65.71	B3	8	I2		306	173	200	230(B3) 207(I2)	12.05	6.81	7.87	9.05(B3) 8.15(I2)	900	50°C(122°F)	60°C(140°F)	50°C(122°F)	26.40
MPL110-12(S/H)	12	440.0	108.0	34.3	75.62	B3	8	I2		330	173	212	241(B3) 218(I2)	12.99	6.81	8.38	9.49(B3) 8.58(I2)	1100				32.40

*Remark : (1) (S) for Standard Type (2) (H) for Handle Type

EB Series Specially For Electrical Vehicle Use**SPECIFICATIONS**

Model	Voltage (V)	Nominal Capacity (Ah)		Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)
		2hr Rate Ah	20hr Rate Ah	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage	
						Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH					
EB12-12	12	10.0	12.0	4.3	9.48	T2	5			151	98	94	94	5.94	3.86	3.70	3.86	180	0°C(32°F)	-20°C(-4°F)	-20°C(-4°F)	3.6
EB20-12	12	15.0	20.0	6.45	14.22	B1	7			181	76	166	166	7.13	2.99	6.54	6.54	300				6.0
EB50-12	12	40.0	50.0	16.5	36.48	I2	7			197	165	171	171	7.76	6.50	6.73	6.73	750	40°C(104°F)	50°C(122°F)	40°C(104°F)	15.0

EP Series For High Cycle Use

SPECIFICATIONS

Model	Voltage (V)	Nominal Capacity (Ah)			Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)	
		20hr Rate	5hr Rate	30Min Rate	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage		
							Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH						
EP7-12	12	7.0	5.95	3.5	2.60	5.73	T2	5	T1			151	65	93	98	5.94	2.56	3.66	3.86	105	0°C (32°F) 40°C (104°F)	-20°C (-4°F) 50°C (122°F)	-20°C (-4°F) 40°C (104°F)	2.10
EP12-12	12	12.0	10.20	6.0	4.20	9.26	T2	5	T1			151	98	94	98	5.94	3.86	3.70	3.86	180				3.60
EP17-12	12	17.0	14.45	8.5	6.20	13.67	B1	7	T2,11	6		181	76	166	166	7.13	2.99	6.54	6.54	255				5.10
EP26-12	12	26.0	22.10	13.0	9.60	21.17	B1	7	T2,11	9		175	166	125	125	6.89	6.54	4.92	4.92	390				7.80
EP28-12	12	28.0	23.80	14.0	9.70	21.39	B1	7	T2,11			175	166	125	125	6.89	6.54	4.92	4.92	420				8.40
EP33-12	12	33.0	28.05	16.5	11.50	25.36	B7	8	I2			210	129	168	179	8.27	5.08	6.61	7.05	495				9.90
EP40-12	12	40.0	34.00	20.0	14.60	32.19	B2	7	I1,I2			197	165	171	171	7.76	6.50	6.73	6.73	600				12.00
EP65-12	12	65.0	55.25	32.5	22.80	50.90	B5	15	I2			350	166	174	174	13.78	6.54	6.85	6.85	650				19.50
EP80-12	12	80.0	68.00	40.0	34.00	74.97	B3	8	I2			329	172	215	238(83) 220(12)	12.95	6.77	8.46	9.37(83) 8.61(12)	800				24.00
EP100-12	12	100.0	85.00	50.0	40.00	88.20	B4	18	I2			407	173	210	239	16.02	6.81	8.27	9.41	1000				30.00

EVP Series For High Power, High Cycle Use

SPECIFICATIONS

Model	Voltage (V)	Nominal Capacity (Ah)			Weight		Terminal				Dimension								MAX Discharge Current For 5 sec (A)	Ambient Temperature			MAX Charge Current (A)	
		20hr Rate	5hr Rate	30Min Rate	kg	lbs	Standard		Optional		MM				INCH					Charge	Discharge	Storage		
							Type	Posl	Type	Posl	L	W	H	TH	L	W	H	TH						
EVP7-12	12	7.0	5.95	4.4	2.75	6.06	T2	5	T1			151	65	94	100	5.94	2.56	3.70	3.94	105	0°C (32°F) 40°C (104°F)	-20°C (-4°F) 50°C (122°F)	-20°C (-4°F) 40°C (104°F)	2.10
EVP12-12	12	12.0	10.20	7.5	4.20	9.26	T2	5	T1			151	98	94	98	5.94	3.86	3.70	3.86	180				3.60
EVP20-12	12	20.0	17.00	12.5	6.60	14.55	B1	7	T2,11	6		181	76	166	166	7.13	2.99	6.54	6.54	300				6.00
EVP26-12	12	26.0	22.10	16.3	10.00	22.05	B1	7	T2,11	9		175	166	125	125	6.89	6.54	4.92	4.92	390				7.80
EVP35-12	12	35.0	29.75	21.9	12.50	27.56	B7	8	I2			210	129	168	179	8.27	5.08	6.61	7.05	525				10.50
EVP44-12	12	44.0	37.40	27.5	15.50	34.18	B2	7	I1/I2			197	165	171	171	7.76	6.50	6.73	6.73	600				13.20
EVP70-12	12	70.0	59.50	43.8	25.00	55.13	B5	15	I2			350	166	174	174	13.78	6.54	6.85	6.85	650				21.00