

BATTERY MODULES BATTERY HOLDERS AND BATTERY PACKS

Battery modules for use with 'all-in-one' and standard battery chargers.

Four hole fixing via M4 screws.
Protection to IP20.
Short circuit protected via 25A fuse.



Battery holders and replacement batteries.

A range of battery modules from 12V 3.2Ah to 24V 12Ah for use in conjunction with all in one chargers and standard battery chargers. Mounting is direct to a panel back plate via 4 x M4 screws. All units are fully short circuit protected with a 25A fuse. The operational ambient temperature range is +5 to +40 deg C. Storage temperature is -20 to +50 deg C. The protection class is IP20.

Battery modules

Battery module reference	DC Output	End of charge DC voltage	Trickle charge DC V	Maximum charging current	Self discharge rate	Dimensions mm L x W x H	Weight (kg)
BM12:3.2	12V 3.2Ah	13.7V (20 deg C)	13.5V DC (30 deg C) 13.25V DC (40 deg C)	0.30A	20 deg C 15% per month	105 x 85 x 135	1.50
BM12:7	12V 7.0Ah	13.7V (20 deg C)	13.5V DC (30 deg C) 13.25V DC (40 deg C)	0.80A	20 deg C 15% per month	105 x 120 x 180	2.60
BM12:9	12V 9.1Ah	13.7V (20 deg C)	13.5V DC (30 deg C) 13.25V DC (40 deg C)	1.0A	20 deg C 15% per month	105 x 120 x 180	2.60
BM24:1.2	24V 1.2Ah	27.5V (20 deg C)	27V DC (30 deg C) 26.5V DC (40 deg C)	0.30A	20 deg C 15% per month	170 x 75 x 100	1.60
BM24:3.2	24V 3.2Ah	27.5V (20 deg C)	27V DC (30 deg C) 26.5V DC (40 deg C)	0.80A	20 deg C 15% per month	170 x 85 x 140	3.10
BM24:7	24V 7.0Ah	27.5V (20 deg C)	27V DC (30 deg C) 26.5V DC (40 deg C)	1.7A	20 deg C 15% per month	170 x 120 x 150	5.20
BM24:12	24V 12Ah	27.5V (20 deg C)	27V DC (30 deg C) 26.5V DC (40 deg C)	2.8A	20 deg C 15% per month	230 x 120 x 150	7.60

Battery module buffering times

Battery module reference	Buffering time (min) Load 1.5A	Buffering time (min) Load 3.0A	Buffering time (min) Load 5.0A	Buffering time (min) Load 7.0A	Buffering time (min) Load 10A
BM12:3.2	120	60	30	20	10
BM12:7	250	120	80	50	30
BM12:9	360	150	100	70	None
BM24:1.2	40	20	15	25	None
BM24:3.2	120	60	30	20	10
BM24:7	250	120	80	50	30
BM24:12	400	200	140	100	60

Battery holders and replacement batteries

Battery holder reference	Description	Yuasa NP or Y series battery reference(s)	Description
BH 12:3.2	Battery holder only for battery 12V 3.2Ah	NP 3.2-12	1 x 12V 3.2Ah
BH 12:7	Battery holder only for battery 12V 7.0Ah	NP 7-12	1 x 12V 7.0Ah
BH 12:9	Battery holder only for battery 12V 9.0Ah	Y 9-12	1 x 12V 9.0Ah
BH 24:1.2	Battery holder only for battery 24V 1.2Ah	2 x NP 1.2-12	2 x 12V 1.2Ah for 24V
BH 24:3.2	Battery holder only for battery 24V 3.2Ah	2 x NP 3.2-12	2 x 12V 3.2Ah for 24V
BH 24:7	Battery holder only for battery 24V 7.0Ah	2 x NP 7-12	2 x 12V 7.0Ah for 24V
BH 24:12	Battery holder only for battery 24V 12Ah	2 x NP 12-12	2 x 12V 12Ah for 24V

