

Narada Lead Carbon Batteries

Charge voltages and temperature compensation tables

Note that the Narada manual uses the term "equalisation/cycle use" for solar cycling in places
Charge voltages per cell are printed on the batteries for 25 degrees C

Ambient temperature degrees C	Bulk / absorption voltage (V)	Float voltage (V)	Equalisation cycle
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For a single 2V cell

<15	2.350	2.275	none	
15	2.350	2.275	" "	
20	2.325	2.260	" "	
25	2.300	2.245	" "	Use this line for default charge controller setting
30	2.275	2.230	" "	
35	2.250	2.215	" "	
40	2.225	2.200	" "	

For a 12V bank (2 x 6RECX300 or 6 x REXC300 or 6 x REXC600)

<15	14.10	13.65	none	
15	14.10	13.65	" "	
20	13.95	13.56	" "	
25	13.80	13.47	" "	Use this line for default charge controller setting
30	13.65	13.38	" "	
35	13.50	13.29	" "	
40	13.35	13.20	" "	

For a 24V bank (4 x 6RECX300 or 12 x REXC300 or 12 x REXC600)

<15	28.20	27.30	none	
15	28.20	27.30	" "	
20	27.90	27.12	" "	
25	27.60	26.94	" "	Use this line for default charge controller setting
30	27.30	26.76	" "	
35	27.00	26.58	" "	
40	26.70	26.40	" "	

For a 48V bank (8 x 6RECX300 or 24 x REXC300 or 24 x REXC600)

<15	56.40	54.60	none	
15	56.40	54.60	" "	
20	55.80	54.24	" "	
25	55.20	53.88	" "	Use this line for default charge controller setting
30	54.60	53.52	" "	
35	54.00	53.16	" "	
40	53.40	52.80	" "	

Do not use the preset settings such as "AGM", "GEL", or "Flooded" batteries, always select a "User setting" and enter the voltages given above. Ensure that any equalisation cycle is disabled on the charge controller, or at least set to the same as the bulk/absorption voltage. Most charge controllers will automatically increase the charge voltage at 3 to 5mV/°C as temperature drops. There is no need to adjust this. It is also acceptable to manually change your charge voltages between summer and winter as temperature changes. If you ever hear a bubbling or gurgling noise coming from the battery vent then the charge voltage is too high and will damage them. It is important that the charge parameters are set correctly to comply with the Narada battery warranty terms.