

Typical Cell Amps & Volts @ 3000 ppm and 75°F

Cell Size	Power Level-1 (5.0 amps)	Power Level-2 (6.5 amps)	Power Level-3 (8.0 amps)
PPC1 _{(RC35/22) (SC-36)}	16 – 19 volts	17 – 21 volts	19 – 21 volts
PPC2 _(RC-28)	18 – 21 volts	23 – 25 volts*	25 – 27 volts*
PPC3 _{(RC-42) (SC-48)}	20 – 24 volts	24 – 27 volts	24 – 28 volts
PPC4 _{(RC-52) (SC-60)}	21 – 24 volts	21 – 26 volts	23 – 26 volts
PPC5 _(CC-15)	23 – 25 volts	25 – 27 volts	27 – 29 volts

* This cell is typically not used at this power level.

Please note:

- Warmer water and higher salt will decrease voltage.
- Colder water, lower salt, scaled, or depleted cell will increase voltage.
- It is better to run on a lower power level and higher output percentage, than a higher power level and lower output percentage.

Troubleshooting Using Amps & Volts

Always test unit by:

1. Deactivating "Boost"
2. Powering unit off
3. Powering unit back on
4. Initiating "Boost" cycle
5. Wait 20 seconds then test before check system light comes on

Low Volts, Low Amps

Volts	Amps	Amps	Amps	Possible Cause
	Power Level 1	Power Level 2	Power Level 3	
0.0 - 6.0	0.2 - 0.7	0.2 - 0.7	0.2 - 0.7	Blown fuse or failed power supply (check fuse first). Control board, power module or wiring harness
4.0 - 9.0	0.2 - 0.9	0.2 - 0.9	0.2 - 0.9	Control board, power module or wiring harness
11.0 - 21.0	1.0 - 4.0	1.0 - 5.0	1.0 - 6.5	Supply Voltage - If unit is receiving 110 v, check to see if 110 v jumper wire is installed along with 6amp fuse (provided in parts bag) If wired correctly, check control board, power module and wiring harness.
19.0 - 25.0	1.0 - 3.0	1.0 - 3.8	1.0 - 4.8	Control board, power module or wiring harness

High Volts, Low Amps

Volts	Amps	Amps	Amps	Possible Cause
	Power Level 1	Power Level 2	Power Level 3	
32*	0.2 - 1.0	0.2 - 1.0	0.2 - 1.0	Cell cord, scaled cell, depleted cell.
32*	1.0 - 2.6	1.0 - 3.2	1.0 - 5.5	Cell cord, scaled cell, depleted cell.
32*	2.0 - 3.9	2.0 - 4.8	2.0 - 5.9	Cell cord, scaled cell, depleted cell, low salt, cold water (Increasing the salt level to 4500 ppm may prolong cell life.)
32*	2.9 – 4.6	2.9 – 5.5	2.9 - 6.5	Cell cord, scaled cell, depleted cell, low salt, cold water (Increasing the salt level to 4500 ppm may prolong cell life.)

* High voltage limit changed from 29 to 32 volts in equipment manufactured after 2010.

* All readings are approximate. High Volts, Low Amps can sometimes be caused by a failed control board, power module or wiring harness – check causes listed above first.