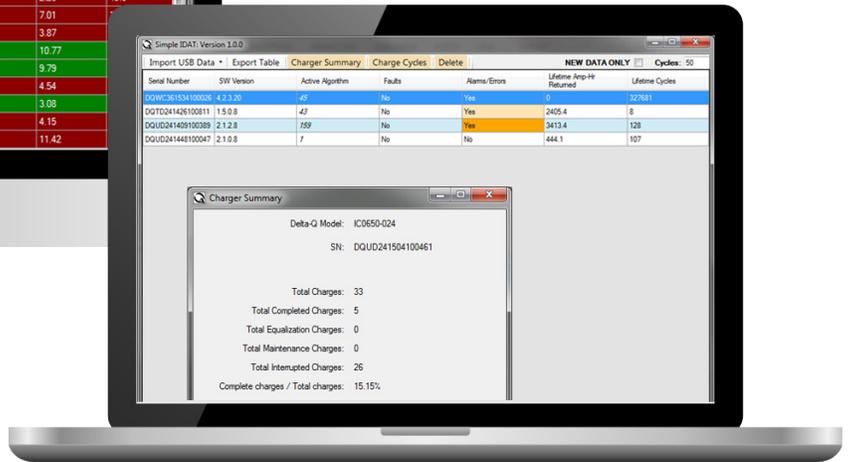
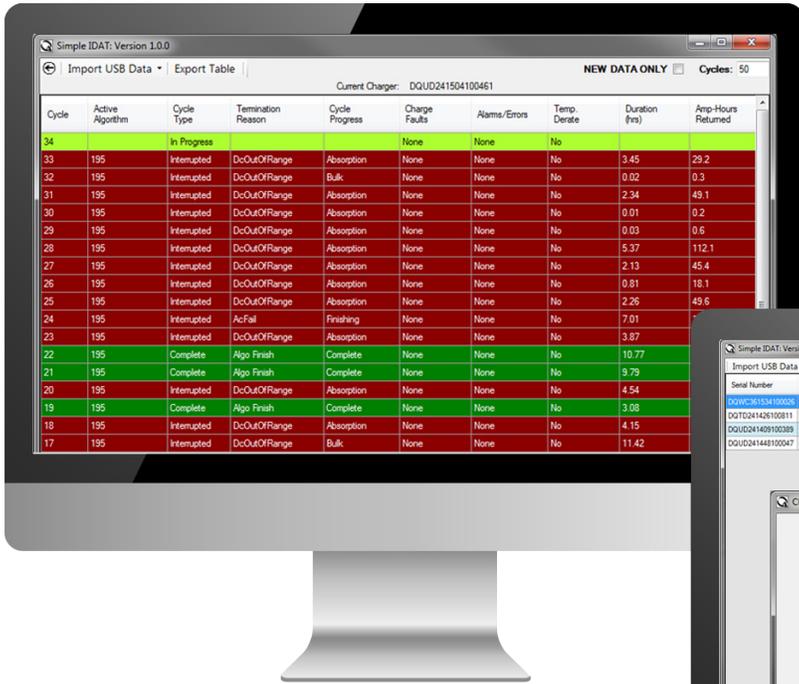




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Delta-Q Simple IDAT User Guide

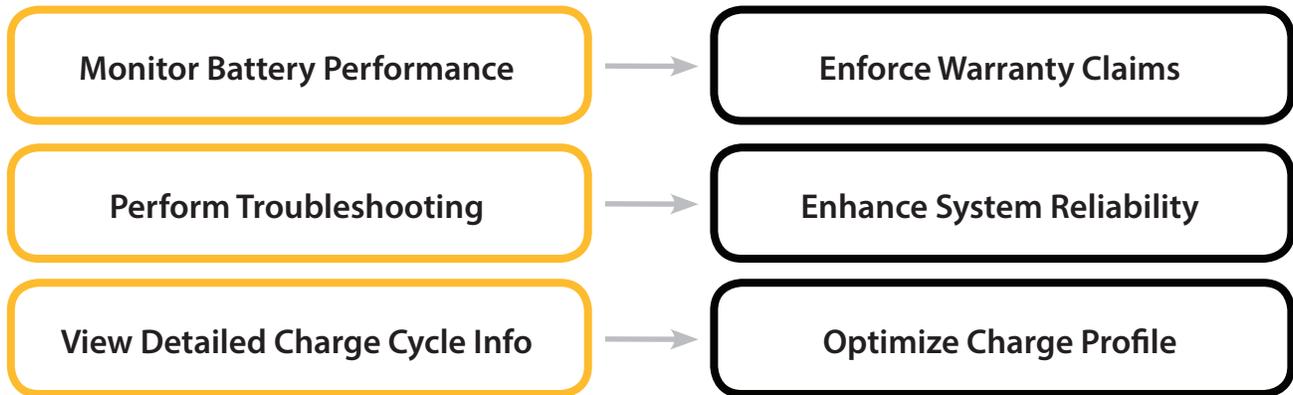


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Instruction for Using the Delta-Q Simple IDAT for IC Series Chargers

All IC Series Chargers record data such as capacity returned, charge cycle completion or interruption, and the charge profile being used. This data can be very useful in vehicle or machine diagnostics. The Simple IDAT software will enable you to easily view and understand charge tracking data from an IC Series battery charger. With the Simple IDAT you will be able to:



Equipment Required

- + PC with 32-bit or 64-bit edition of Windows 7, 8, or 10
- + Simple IDAT installation package
- + Blank USB flash drive (FAT formatted) and charger(s) you wish to extract data from (see below) and/or CHARGER folder containing charge tracking data

Installation Instructions

1. Extract the files from the zipped installation package
2. Double-click on setup.exe to run the Simple IDAT Setup Wizard
3. Follow the on screen instructions

How to Extract Data from an IC Series Battery Charger

1. After a charge cycle is complete, or the charger is disconnected from the battery pack, insert a blank USB flash drive with at least two megabytes* of space into the charger's USB host port. The charger will automatically begin to download the data, shown on the Fault / Error / USB Indicator with a flashing green light.
2. The downloading process is complete when the Fault / Error / USB Indicator is solid green. The USB flash drive can be removed from the charger. This process takes approximately 2-3 minutes.

*If you plan to download data from a large number of chargers, having more free space on your USB flash drive is recommended.

User Interface - All Chargers

Serial Number	SW Version	Active Algorithm	Faults	Alarms/Errors	Lifetime Amp-Hr Returned	Lifetime Cycles
VC361534100026	4.2.3.20	45	No	Yes	0	327681
DQTD241426100811	1.5.0.8	43	No	Yes	2405.4	8
DQUUD241409100389	2.1.2.8	159	No	Yes	3413.4	128
DQUUD241448100047	2.1.0.8	1	No	No	444.1	107

Number	Label (if applicable)	Description
1	Import USB Data ▾	Click drop down to show chargers on USB drive, or click button to select a folder to import. You must select a "CHARGER" folder, or a folder containing multiple "CHARGER" folders.
2	Charger Summary	Click to display charger summary dialog box for selected charger.
3	Charge Cycles	Click to display information on individual charge cycles for selected charger (alternatively, double click on selected row)
4	Delete	Click to delete selected charger
5	NEW DATA ONLY <input type="checkbox"/>	Select to display most recently imported charge data only
6		Click row to select a charger
7		Click and drag header to re-order columns
8		Click and drag border between headers to re-size columns
9	Lifetime Cycles ▾	Click header to sort column ascending/descending

Charger Summary Dialog Box

Delta-Q Model: IC0650-024
 SN: DQUUD241504100461

Total Charges: 33
 Total Completed Charges: 5
 Total Equalization Charges: 0
 Total Maintenance Charges: 0
 Total Interrupted Charges: 26
 Complete charges / Total charges: 15.15%
 Total Charge Hours: 168.8
 Total Amp-Hr Returned: 3247.3

Active Software: 1.11.2.8
 Active Charging Profile: 195
 Available Charging Profile(s): 195.0.1

1: Major version
 2: Minor version
 3: Algorithm number

User Interface - Specific Charger

Simple IDAT: Version 1.0.0

Import USB Data | Export Table | NEW DATA ONLY | Cycles: 50

Current Charger: DQUD241504100461

Cycle	Active Algorithm	Cycle Type	Termination Reason	Cycle Progress	Charge Faults	Alarms/Errors	Temp. Derate	Duration (hrs)	Amp-Hours Returned
34		In Progress			None	None	No		
33	195	Interrupted	DcOutOfRange	Absorption	None	None	No	3.45	29.2
32	195	Interrupted	DcOutOfRange	Bulk	None	None	No	0.02	0.3
31	195	Interrupted	DcOutOfRange	Absorption	None	None	No	2.34	49.1
30	195	Interrupted	DcOutOfRange	Absorption	None	None	No	0.01	0.2
29	195	Interrupted	DcOutOfRange	Absorption	None	None	No	0.03	0.6
28	195	Interrupted	DcOutOfRange	Absorption	None	None	No	5.37	112.1
27	195	Interrupted	DcOutOfRange	Absorption	None	None	No	2.13	45.4
26	195	Interrupted	DcOutOfRange	Absorption	None	None	No	0.81	18.1
25	195	Interrupted	DcOutOfRange	Absorption	None	None	No	2.26	49.6
24	195	Interrupted	AcFail	Finishing	None	None	No	7.01	141.9
23	195	Interrupted	DcOutOfRange	Absorption	None	None	No	3.87	84
22	195	Complete	Algo Finish	Complete	None	None	No	10.77	185.1
21	195	Complete	Algo Finish	Complete	None	None	No	9.79	173.7
20	195	Interrupted	DcOutOfRange	Absorption	None	None	No	4.54	98.4
19	195	Complete	Algo Finish	Complete	None	None	No	3.08	0.1
18	195	Interrupted	DcOutOfRange	Absorption	None	None	No	4.15	74.4
17	195	Interrupted	DcOutOfRange	Bulk	None	None	No	11.42	244.9
16	195	Interrupted	DcOutOfRange	Absorption	None	None	No	5.76	106.6
15	195	Interrupted	DcOutOfRange	Absorption	None	None	No	1.3	14.2
14	195	Interrupted	DcOutOfRange	Bulk	None	None	No	4.92	105
13	195	Interrupted	DcOutOfRange	Absorption	None	None	No	3.9	84.4
12	195	Complete	Algo Finish	Complete	None	None	No	9.92	176.1
11	195	Interrupted	DcOutOfRange	Bulk	None	None	No	3.92	85.8
10	195	Interrupted	DcOutOfRange	Bulk	None	None	No	3.97	87.4
9	195	Interrupted	DcOutOfRange	Absorption	None	None	No	0.93	19.8
8	195	Interrupted	DcOutOfRange	Finishing	None	None	No	8.92	170.6

Number	Label (if applicable)	Description
1		Click to return to previous screen
2		Typical cycle progression is Bulk -> Absorption -> Finish -> Complete
3		Click and drag header to re-order columns
4		Click and drag border between headers to re-size columns
5		Click header to sort column ascending/descending
6		Enter number of charge cycles to display -- Note: will show most recent cycles