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740-0007 R3

## **Battery Charge Algorithms**

\* - Temperature compensated algorithm: charger temperature sensor must be connected

\* CAUTION: Use of charge algorithms with batteries they were not designed for is done at your own risk. Delta-Q is continuously testing and updating charge algorithms with various batteries. Though many algorithms will work with a range of batteries, variations in manufacturing, chemical composition, health, and other properties may cause unacceptable charging performance. Always closely monitor a suggested battery/algorithm combination for at least three cycles to ensure the batteries are being properly charged. If you are not sure of how to monitor a battery charge, contact Delta-Q Technical Support for advice. This document is only for the use of Authorized OEMs and Distributors. Use by any other parties may void the battery and/or charger warranty. ID Algorithm Description Ah Type **Designed For** May Be Compatible With\*\* 1\* Trojan Flooded Trojan T105 150 - 260Ah 6V, 8V, 12V flooded golf 225 Flooded Trojan Constant Power dv/dt 225 Flooded Trojan T105 150 - 260Ah 6V, 8V, 12V flooded golf 3 Trojan 30XHS, 31XHS 5\* Trojan Group 31 Flooded 130 Flooded 85 - 150Ah 12V flooded "marine" Exide Orbital AGMs, Optima AGMs Deka 98 - 120Ah gel 6\* Deka 8G31 Gel 100 Gel Deka 8G31 Trojan 305 Constant Power dv/dt 305 Flooded Trojan L16 Trojan J305 7 Concorde 100Ah AGM 100 AGM Concorde 104Ah AGM Concorde 80-150Ah AGM 8\* 200 - 255Ah Flooded Constant US Battery US125 200 - 255Ah flooded golf 230 Flooded 11 Power dv/dt Exide DF06240 200 - 300Ah gel 12\* Exide Gel 240 Gel Exide Flooded 21\* 210 Flooded Exide 3ET200, FF06255, 185PZB210 Deka 8GGC2 Gel 180 Gel Deka 150 - 230Ah gel Deka 8GGC2 26\* Concorde 200Ah AGM Concorde 200 - 255Ah AGM 35\* 200 AGM Concorde 233Ah AGM Trojan 12V Golf 113% 150 Flooded Trojan T1275 120 - 170Ah 8V, 12V flooded golf 38\* Discover 80 - 150Ah AGM 100 AGM Discover EV31A other 80 - 150Ah AGM 42\* 43\* Discover 200 - 400Ah AGM 300 AGM Discover EVL16A, EVGC6A, EV185A Exide 180Ah Gel 51\* 180 Gel Sonnenschein 180Ah Gel 150 - 200Ah gel 52\* Exide 105Ah Gel 105 Gel Sonnenschein 105Ah Gel 80 - 130Ah gel Saphion Lilon XP Lilon Valence Saphion Lilon UT/XP see Valence Application List 53 62 Trojan Group 31 Flooded dv/dt 130 Flooded Trojan 30XHS, 31XHS 85 - 150Ah 12V flooded "marine" 71 140 - 200Ah Flooded Constant 170 Flooded US Battery 8V-GC 140 - 200Ah Flooded Power dv/dt 72 250 - 335Ah Flooded Constant 305 Flooded US Battery US-305HC 250 - 320Ah Flooded Power dv/dt 400Ah Flooded Constant Power 415 Flooded US Battery L-16HC 330 - 425Ah Flooded 73 dv/dt Trojan 12V Golf 150 Flooded Trojan T1275 120 - 170Ah 8V, 12V flooded golf 93 125\* Fullriver 160-220Ah AGM 180 AGM Fullriver DC180-6, DC224-6 Fullriver 160 - 220Ah AGM 126\* Fullriver 85-145Ah AGM 110 AGM Fullriver DC115-12 Fullriver 85 - 145Ah AGM 141\* Fullriver 300-370Ah AGM 335 AGM Fullriver DC335-6 Fullriver 300 - 370Ah AGM 151\* Fullriver 220-290Ah AGM 250 AGM Fullriver DC250-6 Fullriver 220 - 290Ah AGM

## Algorithm Application Chart

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Battery Group / Size (C/20 Ah) Grou								12V Golf	2V Golf 8V golf				lf 6V Golf																			L16		
Battery Type	80	90	100	110	120	130	140	150 160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410 4	20
Flooded Lead-Acid																																		
Trojan temp comp						5								1																				
								38																										
Trojan dV/dt						62								3																		L		
								93																							7			
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Exide temp comp dV/dt												21	21				21															ı —		
*** based on C/5 capacity!																													_			<b></b>		
US Battery/generic dV/dt									71		1			11								72												73
AGM Temperature Compensated																										_	_							
Discover		1		42			1							43		1				I				1	_	-1			_	_	43			
Fullriver		1	1	126	5	1			1	125		1	1			1	151								141							1		-
Concorde				8										3	5																			
																																<b>└──</b> ┤		
Gel Temperature Compensated																																<b>└──</b> ┤		
Deka		1	6		1				1	26		-	1	T																		I		
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Exide/Sonnenschein		-	52			1			1	51	-		r	1	. <u> </u>	12			- <u>r</u> r								_					⊢−−−∔		
*** based on C/5 capacity!																											_					<b>⊢</b>		
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		Leg	end:	b	old	Desig	gned F	or			sh	aded	May I	Be Co	mpatil	ole Wi	th																	
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