

Stationary Battery chargers

12 V units: 12 – 16 V, 24 V units: 24 – 30 V, 32 V units: 32 - 40V

Typical Lead Calcium Voltages/ Starting Batteries

Starts to charge at	2.1 vpc. (12.6 V)
Full charge	2.15 vpc. (12.9 V charger off 24 hours)
Starts to gas at	2.3 vpc. (13.8 V)
Float setting	2.2 vpc. (13.5 V)

Equalize at 2.35 vpc (14.1 V) every 3 to 4 months for 8 to 24 hours.

Note: Lead calcium batteries generally do not need equalizing if they are never let below 2.2 vpc (13.2 V).

Typical Lead Antimony Voltages /Deep Cycle Batteries

Starts to charge at	2.05 vpc. (12.3 V)
Full charge	2.1 vpc. (12.6 V charger off 24. hours)
Starts to gas at	2.2 vpc. (13.2 V)
Float setting	2.2 vpc. (13.2 V)

NOTE – Lead antimony batteries should be equalized every 2 months at 2.33 to 2.35 vpc (14.0 V) for 8 to 24 hours.

From SENS defaults

Table 13 – Factory Float Voltage Settings

Configuration Code*	Battery Type	Float Voltage (V / Cell)
GEN	AGM	2.27
	FLA	2.22
	NCD	1.43
	HCB	2.23
MAR	VRLA	2.27
	AGM/FLA	2.22
	NCD	1.43
NGN	VRLA	2.27
	AGM/FLA	2.22
	NCD	1.43
PSP	N/A	2.00

Table 14 – Factory Boost Voltage Settings

Configuration Code*	Battery Type	Boost Voltage (V / Cell)
GEN	AGM	2.39
	FLA	2.36
	NICD	1.52
	HCB	2.40
MAR	VRLA	Disabled
	AGM/FLA	2.30
	NCD	1.52
NGN	VRLA	Disabled
	AGM/FLA	2.30
	NCD	1.52
PSP	N/A	Disabled

LaMarche defaults

Battery Type:

Float Voltage:

Equalize Voltage:

Current Limit:

Equalize Hours:

Equalize Mode:

Temp. Compensation:

High DC Voltage:

Low DC Voltage:

Low DC Current:

Alarm Delay:

12L (12 Cell Lead Acid)

2.25 Volts/Cell (V/C) for Lead Acid (LA)

1.40 V/C for Nickel Cadmium (NC)

2.33 V/C for LA (1.55 V/C for NC)

105% or nominal output current

Eight Hours

Manual

Disabled

2.45 V/C for LA (1.6 V/C for NC)

1.98 V/C for LA (1.2 V/C for NC)

0.5 Amps

5 Seconds