

PLASMATRONICS PL SOLAR REGULATORS

Settings for Sonnenschein Gel and Energystore range

Function	Default	Recommended	
		Sonnenschein Gel	Energystore
BMAX (Boost voltage)	14.2V	14.7V	15.6V
EMAX (Equalise voltage)	14.0V	14.4V	15.6V
ETIM (Equalise time)	0 hrs	2 hrs	2 hrs
EFRQ (Equalise frequency)	45 days	30 days	30 days
ABSV (Absorption charge voltage)	14.0V	14.1V	15.0V
ATIM (Absorption charge time)	2hrs	3 hrs	1.0 hrs
FLTV (Float voltage)	13.8V	13.8V	13.8V
HYST (Optional hysteresis mode)	0.4V	0.4V	0.4V
BRTN (Boost charge trigger voltage)	12.3V	12.3V	12.3V
CHRG (Maximum charge current)	20-40A	Leave as is	Leave as is
BFRQ (Boost charge frequency)	15 days	1 day	15 days
TCMP (Temp compensation)	0	2 (table)	minus 5mV/deg/cell
BAT2 (Second battery charge voltage)	14.0V	14.1V	13.8V
ALARM (Low level alarm)	11.4V	11.4V	11.4V
LOFF (LVD cut -off)	11.3V	11.3V	11.3V
LON (LVD reconnect)	12.8V	12.8V	12.8V
LDEL (LVD delay from LOFF)	10 min	5 min	10 min

Volatges for 12V system. Scale voltages for larger systems.

These settings are recommended only. Every Solar application is different. Changes to Absorption, Equalise voltages may be necessary depending on application. For load specific settings please consult Exide.

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