

SOLAR REGULATORS

Settings for Sonnenschein Gel, Absolyte, Marathon, PJ2V, Classic and Energystore range

Function	Default	Recommended				
		Sonnenschein Gel	Energystore	Energystore Gel	Absolyte IIP, MarathonL, PJ2V	Classic
BMAX (Boost voltage)	14.2V	14.4V	15.6V	14.7V	14.4V	15.0V
EMAX (Equalise voltage)	14.0V	14.4V	15.6V	14.7V	14.4V	15.0V
ETIM (Equalise time)	0 hrs	2 hrs	2 hrs	2 hrs	1 Hr	1hr
EFRQ (Equalise frequency)	45 days	30 days	30 days	30 days	30 days	30 days
ABSV (Absorption charge voltage)	14.0V	14.1V	15.0V	14.4V	14.1V	15
ATIM (Absorption charge time)	2hrs	3 hrs	1.0 hrs	2 hrs	1Hr	1 Hr
FLTV (Float voltage)	13.8V	13.8V	13.8V	13.8V	13.5V	13.8V
HYST (Optional hysteresis mode)	0.4V	0.4V	0.4V	0.4V	0.4V	0.4V
BRTN (Boost charge trigger voltage)	12.3V	12.3V	12.3V	12.3V	12.3V	12.3V
CHRG (Maximum charge current)	20-40A	10% C/10	10% C/10	10% C/10	10% C/10	10% C/10
BFRQ (Boost charge frequency)	15 days	7 day	15 days	15 day	15 days	1 day
TCMP (Temp compensation)	0	minus 4mV/degC/cell	minus 5mV/deg/cell	minus 4mV/degC/cell	minus 5 mV/deg/cell	minus 4mV/degC/cell
BAT2 (Second battery charge voltage)	14.0V	14.1V	13.8V	13.8V	13.5V	13.8V
ALARM (Low level alarm)	11.4V	11.4V	11.4V	11.4V	11.4V	11.4V
LOFF (LVD cut -off)	11.3V	11.3V	11.3V	11.3V	11.3V	11.3V
LON (LVD reconnect)	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
LDEL (LVD delay from LOFF)	10 min	5 min	10 min	5 min	5 min	5min

Voltages for 12V system upto 20% DOD. 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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