MORNINGSTAR corporation

ProStar Software Set-point Summary

	Sealed		Flooded		
	Rising	Falling	Rising	Falling	
ED		1.122		1.122	Emergency Disconnect
LVD1		11.4		11.5	Solid Red LED
LVD2	12.5	11.9	12.6	12.0	Flashing Red LED
B50	12.9	12.3	13.0	12.4	Yellow LED
D-ON	13.7	13.2	13.7	13.4	Green LED
PWM	14.1	13.7	14.3	13.9	PWM (Vr)
VEQ	14.35		14.6		Equalization
OVD	14.2		14.4		Over Voltage Protect
HVD	15.5		15.5		High Voltage Protect

** All above voltages are doubled for 24V operation

PWM Control:

Vrh	Vr - 0.9	Regulation Hysteresis (Drop from PWM to D-ON)
Vdh	Vr - 0.4	Disconnect Hysteresis (from OVD/HVD to PWM)
Vr	Vr	PWM set point (temperature compensated)
		Temperature Compensation Coefficient:
		12V Systems: 30 m V/deg C
		24V Systems: 60 m V/deg C
OVD	Vr + 0.1	Overvoltage Disconnect
VEQ	Vr +	Equalization:
		Sealed = Vr + 0.25
		Floded = Vr + 0.3
HVD	Vr +	High Voltage Disconnect:
		Sealed = Vr + 1.4
		Flooded = Vr + 1.2
12/24	16.2	Battery Voltage level for 12/24 V autoselect - Checked at system startup

Note: PWM Control set points are all temperature compensated since Vr is temperature compensated.

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