

## T80 교육 자료

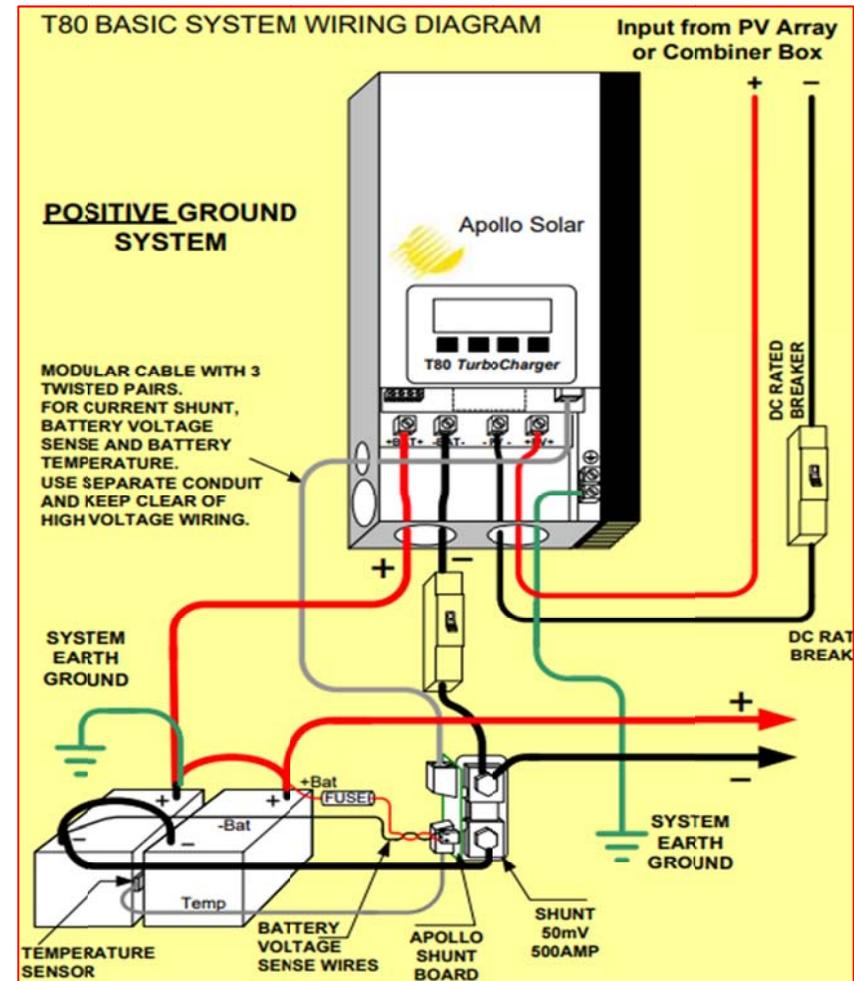
### T80 교육자료

1. 인스틀과 결선
2. 상세 배터리 충전 알고리즘
3. T80 세팅
4. T80 운전

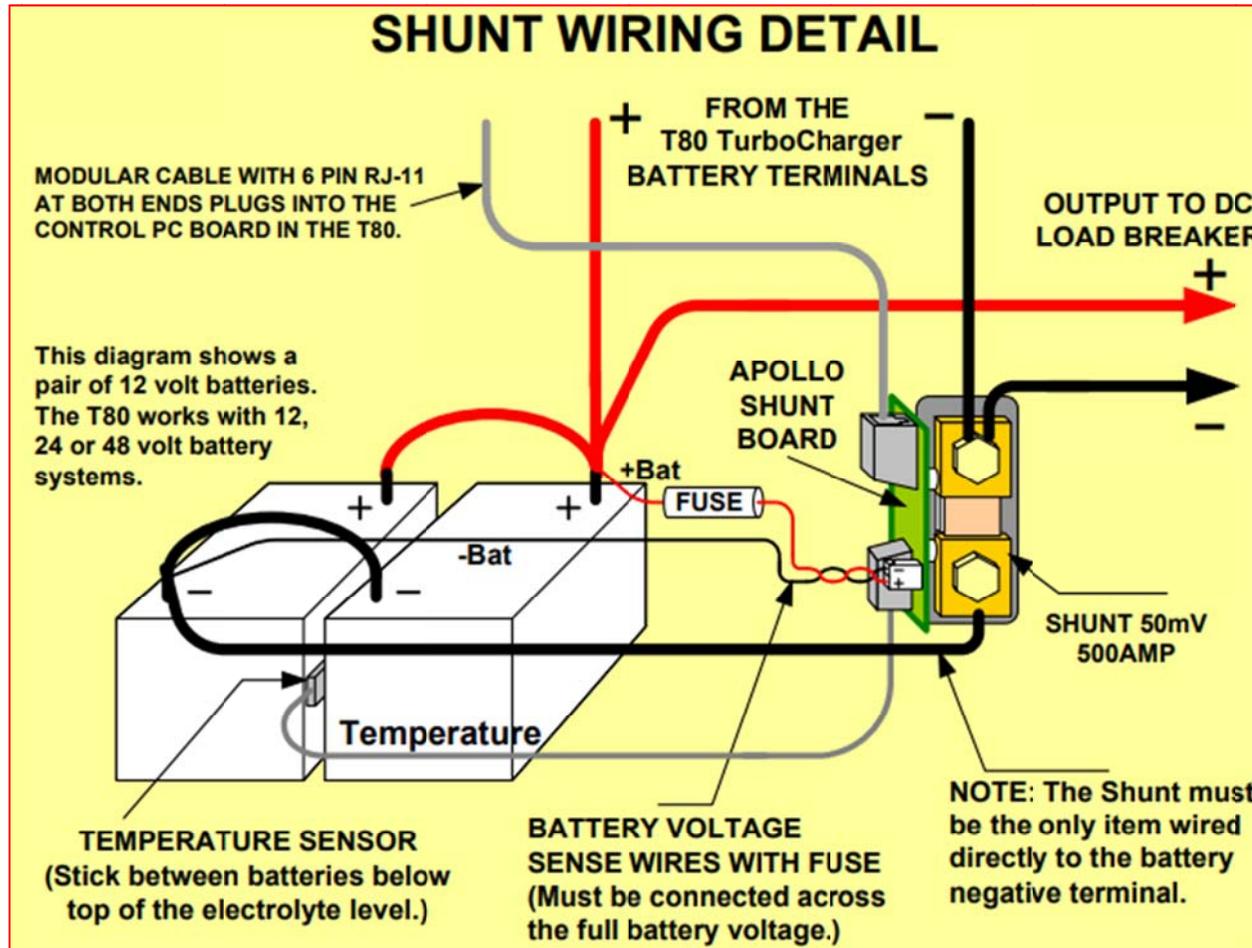


## T80 시스템의 기본 구성품 (Positive Ground)

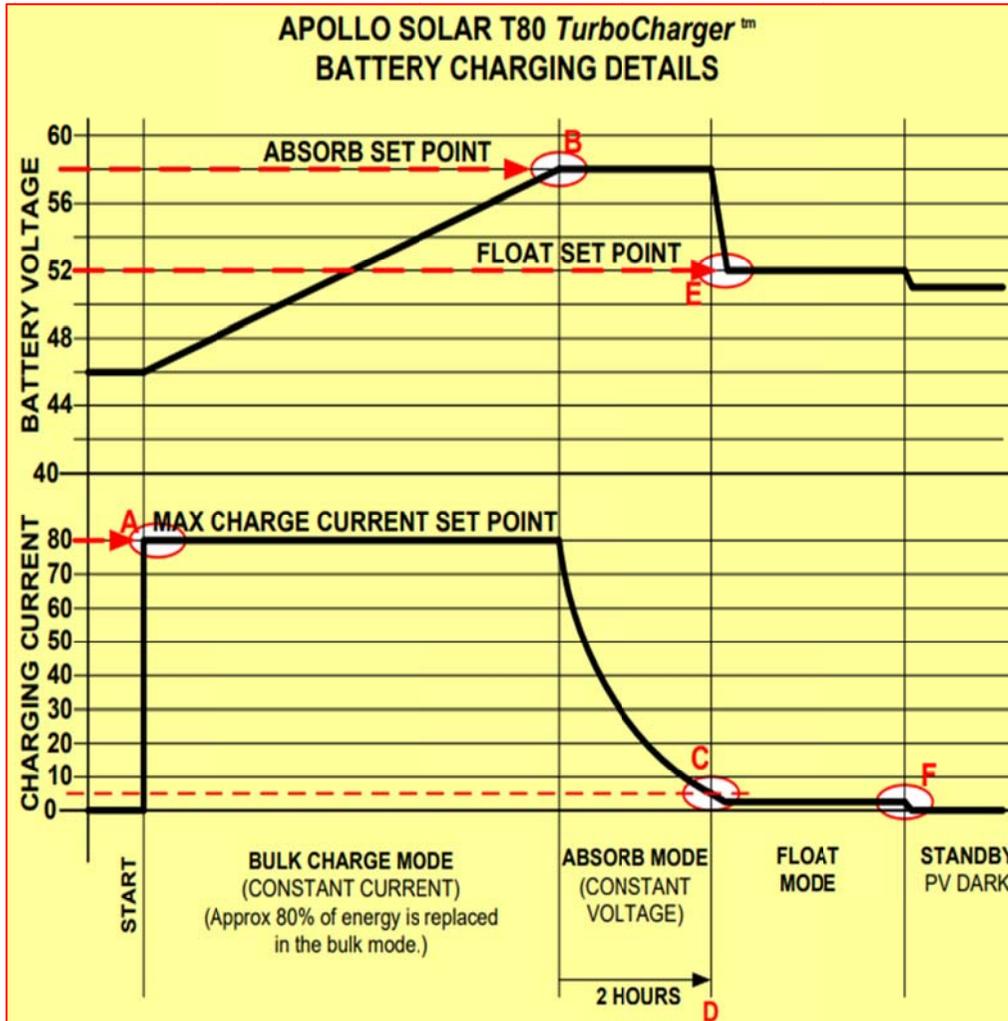
- T80 TurboCharger
- 500 Amp 50 mV Shunt
- Shunt Board
- Batt Voltage Sense Wires
- Batt Temperature Sensor
- Cable back to T80



## T80 Shunt Board 상세



## T80 배터리 충전 알고리즘 (Stage)



**Bulk:** The Controller will try to get the battery voltage up to the Absorb Voltage Set point (B). It will use all the power from the PV array limited only by the Maximum Charge setting (A). When the Absorb Voltage set point is reached on the batteries, the charger switches into Absorb Mode. The battery is now about 80% full.

**Absorb:** The Charger will supply just enough current to maintain the Absorb Voltage setting. This current will gradually decrease over time with a constant load but can vary due to outside loads. The charger stays in absorb until the Absorb Timer counts down to 0 or for as long as the batteries were in Bulk Mode that day which ever time is shorter. The timer is suspended if the Battery Voltage drops 1 V below the Absorb Voltage Setting due to loading. It will resume when the load is reduced.

**Float:** On switching into Float, the battery is 100% full. The Charger will supply just enough current (F) to maintain the Float Voltage setting (E). The current required to maintain the battery at this voltage is usually very low but as loads are applied the current will rise to try to maintain the float voltage level.

**Standby:** The Charger will go into the Standby mode whenever the PV Voltage applied to the input is less than the Battery Voltage on the output +10%. Example: If the Battery Voltage = 49.0V then the PV Voltage must be at least 53.9V or the unit will stop charging and go into Standby Mode.

T80 CHARGE CONTROLLER				
BATTERY VOLTAGE SETTINGS at 25 C				
<b>DEFAULT</b>		48 Volt Battery		
	TYPE	Absorb	Float	Equalize
	Flooded	58.4	55.2	62.4
	GEL	56.4	54.0	N/A
	AGM	56.4	52.8	N/A
<b>MAXIMUM</b>		48 Volt Battery		
	TYPE	Absorb	Float	Equalize
	Flooded	60.8	56.8	65.6
	GEL	60.4	56.4	N/A
	AGM	60.4	56.8	N/A
<b>MINIMUM</b>		48 Volt Battery		
	TYPE	Absorb	Float	Equalize
	Flooded	55.6	51.6	58.8
	GEL	54.4	51.2	N/A
	AGM	54.8	51.2	N/A

# T80 Networking

