

TDSB80

- (2) 60W solar panel provides a charge for the 80Ah BATTERIES.



1. Brand MCU control, standby ultra-low power consumption;
2. The charging principle adopts a three-stage charging algorithm to charge the battery once a week, which can effectively prevent the battery from being unbalanced and vulcanized, and increase the battery life;
3. The power MOSFET is used as an electronic switch without any mechanical switch and without any protective action delay;
4. Charge and discharge green and red LED indicator, discharge light control + timing, pure light control, normally open mode can be manually adjusted

Peak power (Pmax)	60W	Test criteria	Irradiance 1000W/M2	Operating current	1.66(A)
Crest voltage (Vmp)	18 (V)	Max system voltage	600 (V)	Open-circuit voltage	21.4 (V)
Short-circuit current	1.83 (A)	Solar Cell Quantity	36 (4*9)	Dimension	26*21*1(inch)
Glass	3.2mm (Ultra-white textured tempered glass)	Frame	Aluminum alloy frame Strong impact resistance	Weight	8.4lb

Charging Mode	PWM mode
System Current	3A
System Voltage	7.4V、11.1V、14.8V
Power Input	≤18W、≤18W、≤36W
Input withstand voltage	≤25V
Overload protection/Short circuit	1.5 times rated current delay for 5 minutes off,
Protection	Automatic recovery after 5 minutes; ≥3 times rated current short circuit protection action
Charge loop drop	≤0.7V
Discharge circuit voltage drop	≤0.1V
Overvoltage protection voltage	5.5 (3.7V), 9.4 (7.4V), 13.6 (11.1V), 17.8 (14.8V)
Overvoltage recovery voltage	5.0 (3.7V) 、 8.9(7.4V) 、 13.1 (11.1V) 、 17.3 (14.8V)
Charge cut-off Voltage	4.2 (3.7V) 、 8.4(7.4V)、 12.6 (11.1V) 、 16.8 (14.8V)
Over-discharge protection Voltage	3.2 (3.7V) 、 6.0(7.4V)、 9.0 (11.1V) 、 12.0 (14.8V)
Over-Discharge Recovery Voltage	3.7 (3.7V) 、 7.4(7.4V)、 11.1 (11.1V) 、 14.8 (14.8V)
Charging Return Voltage	3.7 (3.7V) 、 7.4(7.4V)、 11.1 (11.1V) 、 14.8 (14.8V)
Daytime identification voltage	3.0 (3.7V) 、 3.5 (7.4V) 、 7 (11.1V/14.8V)
Night identifying voltage	1.0 (3.7 V)、 1.5 (7.4V) 、 3 (11.1V/14.8V)
Operation Temperature	-86°F~+131°F
Storage Temperature	-113°F~+158°F
Operating Relative Humidity	≤90%RH、 no condensation
IP Grade	IP30
External Dimensions	2.1*2.7*.86 inch
Installation Cabling	AWG22~14/2mm ²
Weight	70.54 lb