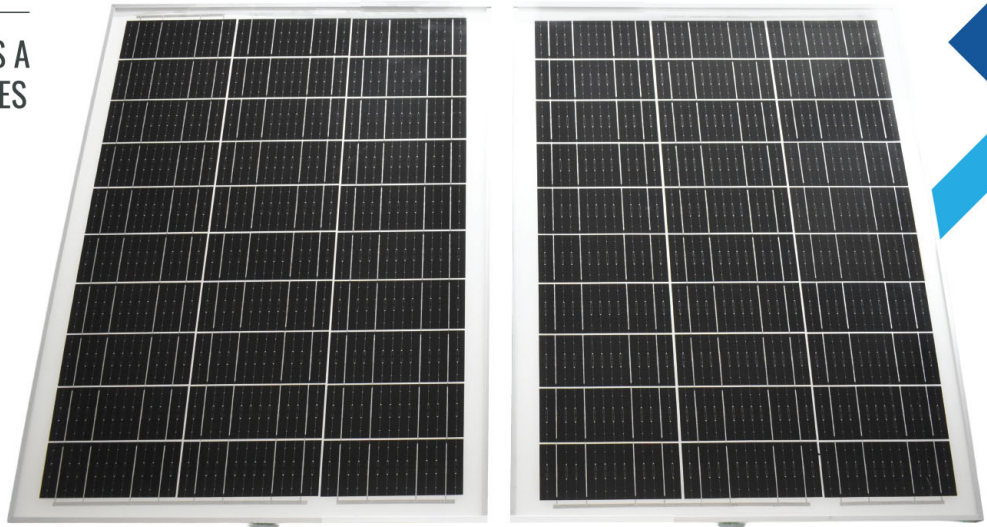


## ≡ TDSB80

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



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