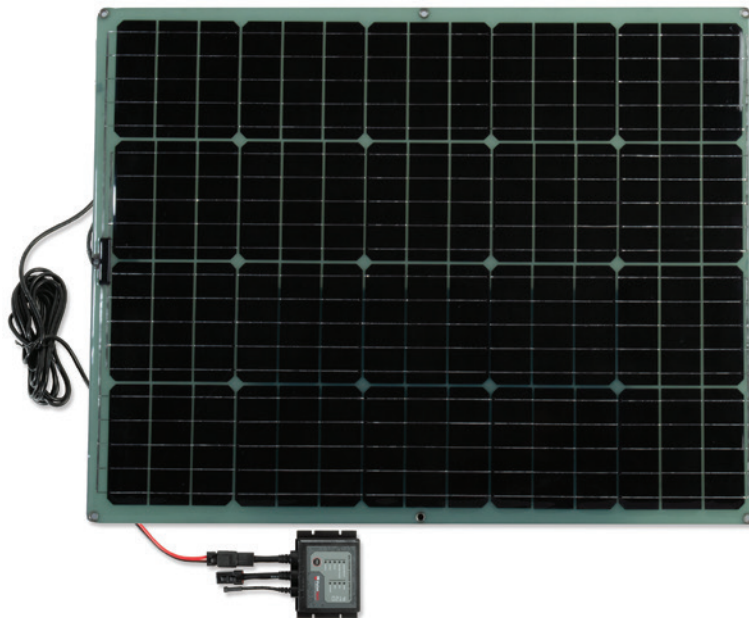


**SP-100 12V PulseTech Battery  
Solar Pulse Charger, 100-Watt  
Part #: 735X346  
NSN: Pending**

**Description:**

The PulseTech® SP-100 12V Solar Pulse Charger (100 Watt, 4.545 Amp) with the PT20 Solar Charge Controller will charge and desulfate all 12-volt battery systems ensuring maximum battery performance. It works with any lead-acid batteries (VRLA, AGM, flooded cell and gel) increasing the battery's ability to maintain charge and accept re-charge,

and extending battery life. The 20A solar pulse charge controller features the advanced pulse width modulated (PWM) technology, temperature compensation and advanced pre-programmed multi-staged charging algorithms. With 12V and 24V auto-switching, the unit automatically controls the solar charging power and protects batteries.



The SP-100 12V solar kit includes a solar panel (34" x 27" x 0.50"), solar pulse charge controller with a temperature sensor (9.5'), fused battery harness (9.8') and solar input adapter, plus 3" black thin-wall heat shrink tubing (3/8" diameter).

**Specifications:**

Input Electrical	
Solar Panel	100 Watt
Output Electrical	
Max Charging DC Voltage	12V
Max Charging Current	4.545 Amp
Mechanical/Physical Characteristics	
Solar Panel Dimensions	34" L x 27" W x 0.5" H
PT20 Wire/Descriptions	
Solar Panel to Controller Input Wire	5.2m or 15'
12 AWG Battery to Controller Power Feed Wire with 25A Fuse	3m or 9'10"
12 AWG ATP Plug with Butt Splice Wire	15.2cm or 6"
Battery Temperature Sensor Wire	2.9m or 9.5'
Environmental	
Operating Temperature	-31°F to 149°F (-35°C to 65°C)
Storage Temperature	0°F to 150°F (-18°C to 66°C)
Protection Category	IP66

PT20 Indicators	
Solar Status	Green light: solar is present and >15V
	Off: solar is <15V
Battery Status	Solid Green: float/fully charged
	Fast Blinking Green (6x per sec.): absorption
	Solid Orange: bulk charging
	Solid Red: soft charging
	Blinking Red: battery error
	Off: no battery connected
Pulse	Blinking Red: PulseTech Pulsing Technology is working
	Off: Pulsing is off
12 Volt	Solid Green: system voltage is 12V
	Off: system voltage is 24V
24 Volt	Solid Green: system voltage is 24V
	Off: system voltage is 12V
Battery Type	Solid Green light: battery type listed is the active profile
	Off: another battery type is set as the active profile