

## PulseTech PT20 20 Amp Solar Pulse Charge Controller

**Part #:** 746X920

**NSN #:** pending

**Model #:** PT20

**Cage Code:** pending

### Recharge

- 20 Amps of pure regulated sunlight will recharge your batteries faster and safer than a generator or alternator
- 12 and 24-volt auto-switching
- Advanced pre-programmed multi-staged charging algorithms for AGM, Gel, Wet, and Lithium battery types

### Restore

- Patented Pulse Technology removes and inhibits growth of battery killing sulfate deposits to extend the performance and life of your hard working batteries
- Included temperature sensor for optimal charging and safe temperature compensation

### Maintain

- The PT20 Solar Charge Controller is always working, even when your batteries are not
- Protects your batteries from overvoltage, overcurrent, reverse polarity, and reverse current damage
- Rugged "all-weather" design will maintain your battery investment in the harshest conditions



### Specifications:

Battery Voltage	12/24V (Automatically Detected) 12V System: 8V ~ 16V 24V System: 16V and up
Maximum Voltage on Battery Terminals	40V
Rated Charge Current	20A
Minimum Solar Input Voltage	12V Battery: 15V 24V Battery: 30V
Maximum Open Circuit Solar Panel Voltage	50V (recommended <28V for 12V)
Maximum PV Short Circuit Current (1)	22A
Maximum Nominal Panel Wattage	12V: 400W 24V: 800W
Self-Discharge	<60mA
Protection	Reverse polarity at solar input Reverse polarity at battery input Protection against reverse current from battery to solar Over temperature protection
Input Terminals	Male 25A Rated ATP connector at the end of 10cm 12AWG wire for solar input Female 25A Rated ATP connector at the end of 10cm 12AWG wire for Battery input Small Female JWPF for External Temperature Sensor Input at the end of a 10cm 26AWG wire
Humidity (non-condensing)	Max 98%
Battery Temperature Sensor (Use for Lead-Acid/AGM batteries only)	Included with device Tape to Battery for accurate temperature compensation For lead-acid/AGM battery types during charging
Min-Max Operating Ambient Temperature Range	-31°F ~ 149°F -35°C to +65°C
Protection Category	Tested to IP66 standards
Weight	1.43 lb / 0.65 kg (includes temperature sensor)
Dimensions (h x w x d)	3.62" x 4.53" x 1.52" (92mm x 115mm x 38.5mm)
Standards	ETL + ETLc: UL 1741; CSA C22.2 No. 107-1 FCC Part 15B (Class A) CE/EMC: EN61000-6-2 and EN61000-6-4 CE/LVD: EN62109-1 CB: IEC 62109-1 Australia (Safety EMC RCM)

(1) Overcurrent protection set at 22-amps for the PT20. PV short circuit current above this value may damage the device.

### Contact Information:

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