



Solar Controller

Street light/solar station with MPPT

PRLS-R2410 / PRLS-R2420



System voltage	DC 12V/24V auto work	Over-discharge voltage	11.1V ; x 2 / 24V
System current	10A;20A	Temperature compensation	-4.0mV/ °C/2V (25°C)
Self-consumption	< 5mA/12V ; < 8mA / 24V	Light sensor delay time	10min
Max. PV input voltage	< 55V	Working temperature	-35°C~+65°C
Overpressure protection	17.0V ; x 2 / 24V	Protection grade	IP68
Equalize charging voltage	14.6V ; x 2 / 24V(25°C)	weight	0.14kg(10A);0.3kg(20A)
Boost charging voltage	14.4V ; x 2 / 24V(25°C)	Overall dimension	82x58x20mm(10A)
Float charging voltage	13.8V ; x 2 / 24V(25°C)		82x100x20mm(20A)
Low voltage reconnect voltage	13.2V ; x 2 / 24V(25°C)	Packing(10A):	28.0 x 28.0 x22.0 cm / 54pcs / 9.58kg
Low voltage disconnect voltage	12.5V ; x 2 / 24V	Packing(20A):	33.5.0 x 30.0 x21.0 cm / 32pcs / 10kg

PRTC-1024E / PRTC-2024E



Nominal system voltage	12/24VDC auto work	Self-consumption	≤20mA/12V; ≤16mA/24V
Rated charge current	10A	Temperature compensation	-3mV/ °C/2V(25 °C)
Rated discharge current	10A	Working temperature	-25 °C ~ +45 °C
Maximum battery voltage	32V	Enclosure	IP30
Max. solar input voltage	100V	Overall dimension	172x139x44mm
Battery terminal voltage	9V ~ 32V	Power cable(1024E)	4mm²
Max. PV input power(1024E)	130W(12V) / 260W(24V)	Power cable(2024E)	10mm²
Max. PV input power(2024E)	260W(12V) / 520W(24V)	Net weight	0.6kg / 1.1kg
Packing(1024E):	48.0 x 41.5 x 27.5 cm / 24pcs / 19kg	Packing(2024E):	51.0 x 36.0 x 23.5 cm / 12pcs / 15.5kg