



Solar Controller

For solar station with MPPT

PRTC-3024E / PRTC-4024E



Nominal system voltage	12/24VDC auto work	Self-consumption	≤20mA/12V; ≤16mA/24V
Rated charge current	30A / 40A	Temperature compensation	-3mV/°C/2V(25 °C)
Rated discharge current	30A / 40A	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	10mm ²
Max. PV input power(3024E)	390W(12V) ; 780W(24V)	Net weight(3024E)	1.2kg
Max. PV input power(4024E)	520W(12V) ; 1040W(24V)	Net weight(4024E)	1.9kg

Packing(3024E):53.0 x 38.0 x 24.5 cm / 12pcs / 18.5kg

Packing(4024E):41.0 x 29.5 x 27.0 cm / 6pcs / 14kg

PRTC-1024V / PRTC-2024V



System voltage	DC 12V/24V	Rated load (battery) current	10A / 20A
Self-consumption	Max 10mA (24V)	Maximum battery voltage	32V
Max. PV open circuit voltage	150V DC	Charge circuit voltage drop	≤ 0.26V
Maximum PV input power(1024V)	130W (12V) / 260W (24V)	Discharge circuit voltage drop	≤ 0.15V
Maximum PV input power(2024V)	260W (12V) / 520W (24V)	Temperature compensation	-30mV/°C/12V
Communication	TTL232 / 8pin RJ45	Working temperature	-35°C ~ 55°C
Enclosure / Altitude	IP30 / ≤ 3000m	Dimension(1024V)	156x97x68mm
Terminals	4mm ² / 10mm ²	Dimension(2024V)	169x118x83mm

Packing(1024V): 48.5x38x25.5cm / 24pcs / 17kg

Packing(2024V): 44x41x21cm / 12pcs / 15.5kg