

RI-PVS-125



Product Description

The RI-PVS-125 is a DC/DC modular PV Controller, primarily used in commercial and industrial applications.

The RI-PVS-125 has been designed to provide high-performance high-stability bus voltages for Maximum Power Point Tracking.

PV Controller - 125kW (MPPT DC/DC)

- 150% PV input oversizing
- 10 MPP trackers, 20 input strings in total
- Up to 40A input per MPPT
(compatible with 700W+ high power solar panel)
- IP65 outdoor design

Specifications

RI-PVS-125	
Input	
Max. Recommended PV Power [kWp]	187.5
Max. PV Input Voltage [V]	730
MPPT Voltage Range [V]	180...600
Rated PV Input Voltage [V]	550
Start-up Voltage [V]	200
No. of MPP Trackers	10
No. of Input Strings per Tracker	2
Max. PV Input Current [A]	40
Max. Short-circuit Current [A]	50
Output	
Rated DC Output Voltage [V]	832
Output Voltage Range [V]	650...949
Rated DC Output Power [kW]	125
Max. DC Output Power [kW]	125
Max. DC Output Current [A]	183
General Specifications	
Ingress Protection	IP65
Cooling	Fan
Other Functions	String current sensing, PID/AFCI (Optional)
Power Supply	Self-powered
Communication	RS485 / LAN
Ambient Temperature Range [°C]	-30...+60
Relative Humidity	≤95%
Operation Altitude [m]	4000 (>2000 Derating)
Dimensions (W x H x D) [mm]	890 x 594.8 x 326.2
Weight [kg]	85
Environmental Category	Outdoor
Installation	Wall-Mounted
Cable Inlet and Outlet	Bottom

Model Selection Table

Description	Model
125kW PV Controller	RI-PVS-125