

PVC 2500B RenE

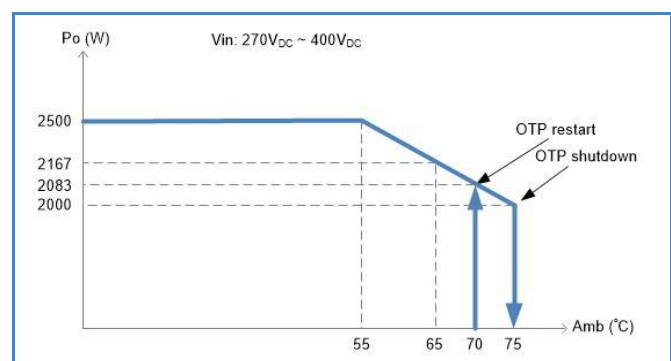
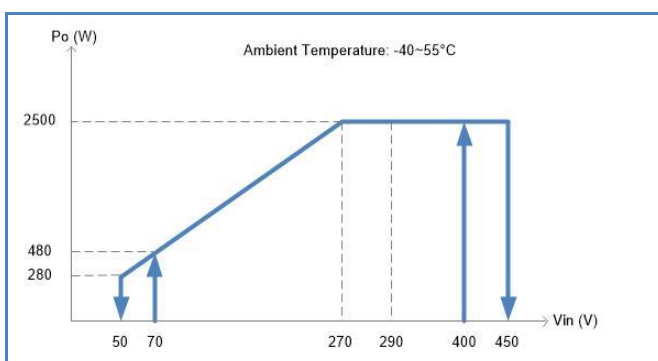
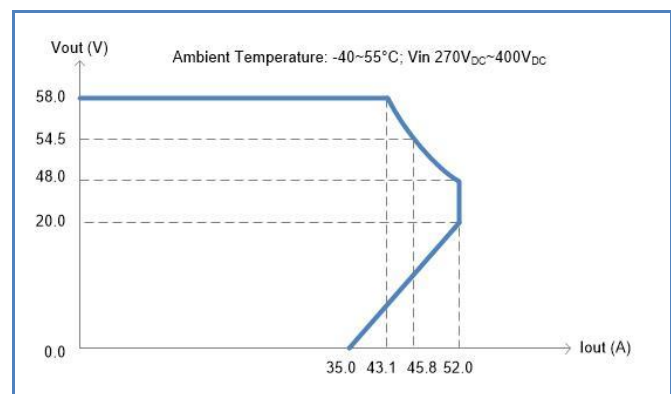
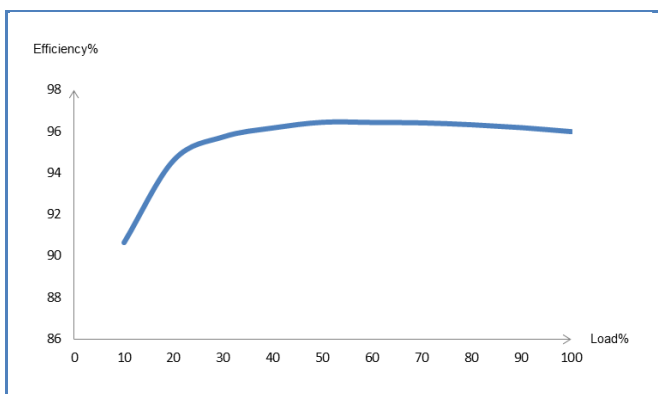
PVC 2500B RenE is the photovoltaic DCDC Converter, and it converts the solar energy to -48V DC. PVC 2500B RenE is designed to connect 3kWp of Solar panel for maximum power point tracking and convert into 48V DC to feed telecom Load and can be connected in parallel with Delta rectifier in Delta make SMPS.



PVC 2500B RenE

This is designed to work in standalone application and the hybrid power applications, such as genset supply, AC grid, wind energy and fuel cell supply. With the modularity, PVC 2500B RenE can be embed in the power system really easy with monitoring and control with Delta controller for source prioritization management.

Due to the high efficient MPPT, the operators can reduce CAPEX on solar panel configuration. Furthermore, the wide input voltage range makes the arrangement of panel more flexible. These gorgeous features help operators to reduce the emission of CO₂, and to make the contribution to the environmental protection.



PVC 2500B RenE



KOAMAM-04-ZL

INPUT

Voltage (nominal)	290 V _{DC}
Voltage (range)	50 – 450 V _{DC}
Max Solar Panel connected	3000 Wp
Input Current	10.5 Amps DC Max
Lightening Protection	EN 61000-4-5

OUTPUT

Voltage (default)	-54.5 V _{DC}
Voltage (adjustable range)	-42 to -58 V _{DC}
Output Current	45.87 A @ default voltage
Maximum Power @ nominal Input	2500 W
Power Density	29.8 W/in ³
Static MPPT Efficiency	≥ 99% (CEC Efficiency) ≥ 99% (European Efficiency)
Load Regulation	≤ ± 400 mV (0.2 A – 45.87 A)
Ripple	≤ 150 mV
Protection	EN 61000-4-5

USER INTERFACE

Alarm and Signaling	CANbus to System Controller		
Indications	OK	Green	Normal Operation
	LD	Yellow	Output current < 5%
	COM	Green	Communication Status

MECHANICAL

Dimensions (W x H x D)	125.5 x 41.0 x 273.0 mm (4.94 x 1.61 x 10.74 in)
Weight	1.8 kg (3.96 lb)

ENVIRONMENTAL

Operating Temperature	-40 to +75°C (40 to +167°F)
Storage Temperature	-40 to +80°C (40 to +176°F)
Altitude	0 to +4000 m
Related Humidity	0 – 95% RH non-condensing
Acoustic Noise	≤ 55 dBA

STANDARDS

Safety	IEC 62109-1
EMC	EN 55022 DC input Class A and DC output Class A
Environment	RoHS
MTBF	300k hours @ 25°C (77°F)

* All specifications are subject to change without prior notice.