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# Solar Ware Ninja™

UL 1741SB / IEEE 1547-2018  
Compliant Inverter Datasheet



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Type		PVU-L0840URN
Output side (AC)	Rated Power@25°C	840kW
	Rated Power@50°C	765kW
	Rated Voltage	630V +10%, -12%
	Rated Frequency	50Hz / 60Hz (+0.5Hz, -0.7Hz)
	Rated Power Factor	>0.99
	Reactive Power Capability	±504 kVAR
	Rated Current	702 Arms @50 °C
	Maxium Current	770 Arms @25 °C
	Maximum Efficiency	98.72%*
	CEC Efficiency	98%*
Input side (DC)	Maximum Voltage	1500 Vdc
	MPPT Operation Range	915-1300VDC
Environ. Conditions	Ingress Protection Ratings	NEMA3R
	Installation	Outdoor
	Ambient Temperature Range	-25° to 50°C
	Altitude	Full power up to 2000 meters. Consult TMEIC for altitude above 2000 meters
Protective Functions	Input (DC) Side	DC Protection: Input Fuses, Ground Fault Detection, DC Reverse Current, Over Voltage, Over Current
	Input Fuses	160 - 500A
	Grid (AC) Side	AC protection and isolation: Fuse and Contactor, Anti-islanding, Over/Under Voltage, Over/Under Frequency, Over Current
	Grid Assistance	Reactive/Active Power Control, Power Factor Control, Fault Ride Through
Harmonic Distortion of AC Current		≤ 3% THD (at rated power)
Communication		Sunspec Modbus/TCP
Fault Analysis		Fault Event Log, Waveform Acquisition via memory card, fault data reporting per CAISO Appendix H
Compliance		UL1741; UL1741SB; IEEE1547-2018; NEC2020; IEC62109-1,2; IEC61000-6-2, 4; IEC61727; IEC62116; IEC61400; IEC61983; IEC60068
Other Standards Met		IEEE2800**; NOGRR245**; IEEE519-2022**
Cooling Method		Heat Pipes and Forced Air Cooling
Number of Inputs		Up to 6 inputs
Standard Control Power Supply		Control Power Supply from Inverter output and Capacitor backup circuit (3 sec. compensation)
Short Circuit Withstand Current		AC side : 65kA; DC side : 30kA
Weight		<1000kgs
Dimensions (H x W x D)		1991 X 1100 X 1100 mm (H x W x D)
Floor Space		1875.5 sq. in. (1.21 m <sup>2</sup> )
Color		Cabinet: Munsell N7.0, Roof: Munsell N4.5

Note: Integrated skids with up to 6 inverters and a medium voltage transformer are available. Please contact TMEIC for more information.

\*Preliminary

\*\*Meet standard requirements at point of common coupling in typical site conditions



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