



A single-inverter solution for simplified solar-plus-storage

Solar-plus-storage is simple with the Pika Islanding Inverter. This bi-directional, REbus™-powered inverter offers a simpler, more efficient design for integrating smart batteries with solar.

Ideal for self-supply, backup power, zero-export and energy cost management, the Pika Islanding Inverter is our most powerful, feature-rich inverter yet.

Feature Overview:

- Single inverter for grid-tied solar with smart battery integration
- Simplified system design: No autotransformer or battery inverter needed
- User-selectable modes for backup power, self-supply, time-of-use and zero-export
- Free online monitoring included via RView Dashboard

AC OUTPUT/ GRID-TIE	Model X7602	Model X11402	Unit	Note
Rated AC Power Output	7600	11400	W	-
AC Output Voltage	120/240, 1Ø	120/208, 3Ø	VAC	-
AC Frequency	60	60	Hz	-
Maximum Continuous Output Current	32	32	A, RMS	-
Ground-Fault Isolation Detection	Included	Included	-	Integrated
Charge Battery from AC	Yes	Yes	-	-
THD (current)	< 2%	< 2%	-	-
Typical Nighttime Power Consumption	< 7	< 7	W	-

AC OUTPUT/ BACKUP

Rated AC Backup Power Output	8000	8000	W	-
Maximum AC Backup Power Output	12000	12000	W	-
AC Backup Output Voltage	120/240, 1Ø	120/240, 1Ø	VAC	-
AC Frequency	60	60	Hz	-
AC Circuit Breaker	50	50	A	Integrated
THD (voltage)	< 2%	< 2%	-	-
Automatic Switchover Time	< 1	< 1	Seconds	-
Typical Nighttime Power Consumption	30	30	W	-

DC INPUT

DC Input Voltage Range	360-420	360-420	VDC	-
Nominal DC Input Voltage	380	380	VDC	REbus™
Max Input Current	20	30	A	-
Reverse-Polarity Protection	Yes	Yes	-	Integrated, certified
Ground-Fault Isolation Detection	Yes	Yes	-	Integrated, not certified
Transformerless, Ungrounded	Yes	Yes	-	Integrated, certified

DC INPUT/ BATTERY

Maximum Continuous Power	8000	12000	W	-
Internal DC Distribution Breakers	4x 2p30A	4x 2p30A	-	2p DC breakers
DC Fuses on Plus and Minus	40	40	A	Field replaceable
2-pole Disconnection	Yes	Yes	-	Integrated

EFFICIENCY

Peak Efficiency	97%	98%	-	-
CEC Weighted Efficiency	96.5%	97.5%	-	-

OPERATIONAL FEATURES AND MODES	Specification	Unit	Note
Islanding ³	Yes	-	Transformerless
Grid Sell	Yes	-	-
Self Consumption	Yes	-	-
Prioritized Charging from Renewables	Yes	-	-
Genset Integration	In progress	-	-
DC Load Support	Yes	-	-
Grid Support - Zero Export	Yes	-	-

ADDITIONAL FEATURES

Supported Communication Interfaces	CANbus, RS485 ⁴ , Ethernet	-	-
System Monitoring and Network Communications	REview™	-	Free, integrated
Revenue Grade Data, ANSI C12.1	-	-	Optional
Critical Loads Disconnect ³	Yes	-	Integrated
Manual Inverter Bypass Switch	Automatic	-	Integrated
Rapid Shutdown functionality for NEC 2014 690.12	Yes	-	Integrated
Arc Fault Protection (Type 1) for NEC 2011 690.11 compliance	No	-	Integrated
Warranty	10, 20	Years	Standard, extended

STANDARDS COMPLIANCE

Safety	UL1741 SA, CSA 22.2	-	HECO, CEC, NYISERDA listed
Grid Connection Standards	IEEE1547, Rule 21, Rule 14H	-	-
Emissions	FCC part15 class B	-	-

DIMENSIONS AND INSTALLATION SPECIFICATIONS

Wire Gauge Range	10 - 8	AWG	-
Total AC Ports / Size	2 x 0.75", 2 x 1"	-	Standard knockouts
Total DC Ports / Size	5 x 1"	-	Standard knockouts
Dimensions	24.5 x 19.25 x 8	In	HxWxD
Weight	62.7	Lb	-
Cooling	Forced convection	-	User replaceable fan
Noise	< 40	dBA	-
Min-Max Operating Temperature	-20 to +50	°C	-
Protection Rating	NEMA 3R	-	Enclosure Type

INSTALLATION GUIDELINES

Battery Types Supported	Coral™ and Harbor™ smart battery series	-	-
Module String Size per PV Link Optimizer	2-9 PV modules	-	S2500 series PV Link
Maximum Recommended DC Power from PV	10kW (1Ø), 15kW (3Ø)	-	30% max PV oversize factor
Batteries per Inverter	1-4	-	4 maximum

³3Ø inverters offer islanding for 1Ø loads, ⁴Modbus,