



## OFF-GRID INVERTER DATASHEET

MODEL	LXR-1KVA-P	LXR-3KVA-P	LXR-5KVA-P	LXR-5KVA-M	LXR-5KVA-PP	LXR-5KVA-MP
Rated Power	1KVA / 1000W	3KVA / 3000W	5KVA / 5000W	5KVA / 5000W	5KVA / 5000W	5KVA / 5000W
Paralel Capability / Charger	NO / PWM	NO / PWM	NO / PWM	NO / MPPT	YES / PWM	YES / MPPT
<b>INPUT</b>						
Voltage	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)					
Frequency Range	50 Hz / 60 Hz (Auto Sensing)					
<b>OUTPUT</b>						
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5 %					
Surge Power	2000VA	6000VA	10000VA	10000VA	10000VA	10000VA
Efficiency (Peak)	98 %					
Transfer Time	10 ms (Far Personal Computers) ; 20 ms (Far Home Appliances)					
Waveform	Pure sine wave					
<b>BATTERY</b>						
Battery Voltage	12VDC	24VDC	48VDC	48VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	54VDC	54VDC	54VDC	54VDC
Overcharge Protection	16VDC	33VDC	63VDC	63VDC	63VDC	63VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>						
Solar Charger type	PWM	PWM	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	55VDC	80VDC	105VDC	145VDC	90VDC	145VDC
Maximum PV Array Power	600W	1200W	2400W	3000W	2400W	4000W
MPPT Range @ Operating Voltage	N/A	N/A	N/A	60-115 VDC	N/A	60-115VDC
Maximum Solar Charge Current	50A	50A	50A	60A	60A	60A
Maximum AC Charge Current	20A	25A	60A	60A	60A	60A
Maximum Charge Current	50A	70A	110A	120A	110A	120A
<b>PHYSICAL</b>						
Dimension, D x W x H (mm)	88x225x320	100x285x334	100x300x440	100x300x440	155x295x455	120x295x468
Net Weight (kgs)	4.4	6.3	8.5	9.7	9.8	13.5
Communication Interface	USB/RS232					
<b>ENVIRONMENT</b>						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	0° c to 55° C					
Storage Temperature	-15° C ta 60 ° C					