



Specification

Battery Parameters	LXP-LB 12K
Compatible Battery Type	Lead-acid/Lithium
Nominal Battery Voltage	48V
Battery Voltage Range	40V-60V
Maximun Charging/Discharging Current	250A/250A
Maximun Charging/Discharging Power	12000W
Input DC(PV Side)	
Max. DC Input Power for Single MPPT	12000W/7000W/7000W
Max. PV Input Power	18000W
DC Input Voltage Range	100V-600V
Nominal DC Input Voltage	360V
Full Power MPPT Voltage Range	230-500V
Max. DC Input Current	25A/15A/15A
MPPT Number/(Strings per MPPT)	3(2/1/1)
Output/Inout AC(Grid)	
Nominal Power	12000W
Nominal AC Voltage	240V 208V
Operating Voltage Range	180V-270V
Max. Continuous AC Current	50A@240V 50A@208V
Nominal AC Frequency	50Hz/60Hz
UPS Output-with Battery	
UPS Max. Output Power	12000W 240V 208V
UPS Nominal Output Voltage	120V/240V 120V/208V
UPS Nominal Output Frequency	50Hz/60Hz
UPS Nominal Output Current	50A@240V 57.7A@208V
Peak Power	14kW 10minutes / 16kW 5minutes / 20kW 500ms
Switching Time	<20ms



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Efficiency

MPPT Efficiency	99.9%
Max. Efficiency	97.5%
EU Efficiency	96.5%
Battery Charging Efficiency	95%
Battery Discharging Efficiency	94.5%

Protection

Anti-islanding Protection	YES
DC Switch	YES
Ingress Protect Degree	IP65
SPD Protection	YES
AFCI	OPT
RSD	OPT

General Data

Dimension(mm)	670*490*265
Weight	42kg
Display	Color LCD
Topology	Transformer-less
Ambient Temperature Range	-25-60°C
Cooling	FAN
Communication	RS485/Wi-Fi/CAN

Standard & Certification

EMC	IEEE1547 FCC SDOC
Safety Standard	UL 1741
Grid Standards	IEEE1547