

SpecifiCation

INPUT (PV DC)	LXP5K
Max. PV array power	8000W
Rated DC input voltage	360Vdc
DC input voltage range	100 to 550Vdc
MPP voltage range	120 to 500Vdc
Min. input voltage / initial input voltage	100Vdc / 120 Vdc
Number of independent MPP inputs	2 (A : 1 ; B : 1)
Max. DC input current	13.5A
Max. DC short-circuit current input per MPPT	A: 20A ; B : 20A
Battery	
Compatible battery type	Lithium-ion / Lead-Acid
Rated battery voltage	48Vdc
Battery voltage range	40 to 60Vdc
Max. charging/discharging current	80A / 80A
Max. charging/discharging power	4000W
Charging method (Lead acid)	3 stage
Max. charging voltage	59Vdc
Suggest battery capacity	2 to 20kWh
Grid	
Rated AC output power(@230V,240V,50Hz/60Hz)	5000W
Rated AC voltage	230Vac
AC voltage range	180 to 270Vac
Rated grid frequency	50Hz / 60Hz
Operation frequency range at grid frequency(50/60Hz)	45 to 55Hz / 55 to 65Hz
PF @ Pn/Adjustable PF	1 / 0.8
THDi	< 3%
UPS	
UPS Max. Output Power without PV	4000W
UPS Max. Output Power with PV	5000W
UPS rated output voltage	230Vac
UPS rated output frequency	50Hz / 60Hz
Peak power without PV	4500W , 30s
THDv (at linear load)	< 5%
Switching time	< 20ms
Efficiency	
UPS Max. Output Power without PV	97.30%
UPS Max. Output Power with PV	94.50%
Protection	
PV reverse polarity protection	YES
Over current/voltage protection	III/II
Anti-islanding protection	YES
AC short-circuit current protection	YES
Leakage current protection	YES
Ground fault monitoring	YES
Grid monitoring	YES
Ingress protection rating	IP65 / NEMA4X
DC Switch	YES
General	
Dimensions (W / H / D) (mm)	455 / 476 / 181
Weight	20kg
Display & communication interface	LCD , RS485 ,Wi-Fi ,CAN
Topology	HF
Operating environment temperature range (C)	-25 to 60 C
Cooling method	Nature convection
Max. permissible value for relatively humidity	100%
Noise emission	< 25dB
standby consumption	< 5W
Max. operating altitude above MSL (mean sea level)	< 2000m
Standards & Certifications	
AS4777.2 , NRS097 , EN50549 , C10 / C11 , NV RFG , CEIO-21 , CEIO-16 , VDE-AR-N 4105 , UTE C15-712-1 / XPE C15-712-3 ; VDF, G98 , G99, IEC62109 , IEC62040 , IEC62477 , EN61000 , IEC60068	