

HYBRID SERIES

Single Phase

LXP 3-6k

- Single phase/Unbalanced 3-Phase
- Support up to 10pcs in parallel
- Intelligent charge features
 - Weather forecast compensation
 - Update electricity price automatically
 - Economize charging/discharging schedule automatically
- Unique monitoring platform
 - Free APPs on smartphone (Android/iOS) & PC (Web)
- Integrated UPS module
 - On/off grid seamless switching under 20ms
- Wide battery compatible list
- Plug & Play (AC and PV port)

LUPOWER^{TEK}



Specification

INPUT (PV DC)	LXP 3000W	LXP 3600W	LXP 4000W	LXP 4600W	LXP 5000W	LXP 6000W
Max. PV array power(W)	6600	7000	7000	8000	8000	8000
Rated PV input voltage(V)				360		
Number of independent MPPT inputs				2		
PV input voltage range(V)				100-550		
MPPT voltage range(V)				120-500		
Start-up voltage(V)				140		
Max. PV input current per MPPT(A)				13		
Max. PV short-circuit current input per MPPT(A)				20		
Battery						
Compatible battery type				Lithium-ion/Lead-Acid		
Rated battery voltage(V)				48		
Battery voltage range(V)				48-60		
Max. charging voltage(V)				60		
Max. charging/discharging current(A)		66			80	
Max. charging/discharging power(W)		3600			4000	
Force wake up battery from PV function				YES		
Grid						
Rated AC voltage(V)				230		
Rated AC frequency(HZ)				50/60		
Rated AC output current(A)	13	15.6	17.4	20	21.7	26
Rated AC output power(W)	3000	3600	4000	4600	5000	6000
Max. AC input current(A)	31.3	31.3	31.3	34.7	34.7	34.7
Max. AC input power(W)		7200		8000		
PF				0.99(Adjustable from 0.8 leading to 0.8 lagging)		
THDI				<3%		
Rated AC current of BYPASS relays(A)				40		
UPS						
Rated output power with Solar(W)	3000	3600	4000	4600	5000	6000
Rated output power without Solar(W)	3000	3600	4000	4000	4000	4000
Rated output voltage(V)				230		
Rated output current(A)	13	15.6	17.4	17.4	17.4	17.4
Rated output frequency(Hz)				50/60		
Surge power, duration				4500W, 30S		
Switching time(UPS)				20ms		
Wave form				Sine wave		
THDV				<5%		
Efficiency						
Max. MPPT efficiency				99.0%		
Max. efficiency				97.3%		
EU efficiency				97.0%		
Max. charging efficiency				94.5%		
Max. discharging efficiency				94.5%		
Protection						
Over current/voltage protection				YES		
Anti-islanding protection				YES		
AC Short-circuit current protection				YES		
Leakage current protection				YES		
Ground fault monitoring				YES		
Grid monitoring				YES		
DC switch				YES		
DC surge protection Type III				YES		
AC surge protection Type III				YES		
General						
Dimensions(W*H*D)				Boxed: 570 x 650 x 340 / 455 x 565 x 181mm / 17.9 22.2 7.1inch		
Weight				20kg/44.1lbs IP65		
Ingress protection rating				IP65		
Operating environment temperature range				-25~60°C		
Storage temperature range				-40~65°C		
Relative humidity				0~95%		
Display & Communication interface				LCD, RS485/Wi-Fi/CAN		
Warranty				5 years		
Cooling method				Natural		
Topology				Transformer-less		
Altitude				2000m		
Noise emission(typical)				<25dB		
Standards & Certification						
IEC 62109-1/2, IEC 62040, IEC 62477, EN 61000, IEC 60068, EN 62920, AS4777.2, NRS 097, EN 50549, RD1699, RD413, RD647, UNE 217001, NTS TYPE A, CE10-21, CE10-16, VDE-AR-N 4105, UTE C15-712-1/XP C15-712-3/VFR 2019, G98, G99						

Your Reliable Energy Solution Partner