

HLX-HR 1.5-6K (SINGLE-PHASE)

- Max. PV input 500V with 2 MPPT built-in
- Battery Activation via PV and Utility Grid
- Dual Outputs for Intelligent Load Management
- Real-Time 24/7 Remote Monitoring
- Flexible Operation Modes to Meet Diverse Energy Needs
- EQ Function for Enhanced Battery Performance and Longevity
- Wide Voltage Compatibility: Supports 12V, 24V, and 48V Battery Systems



Model	
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	40~60
Max. charging voltage (V)	60
Max. charging/discharging current (A)	70
Max. charging/discharging power (W)	3600
Force wake up battery from Grid fuction(Y/N)	YES
Grid	
Rated AC voltage (V)	230
Rated AC frequency (Hz)	50/60
Rated AC output current (A)	16
Rated AC output power (W)	3600
Max. AC intput current (A)	26
PF	0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDI	<3%
Max. continuous AC passthrough current (A)	40
UPS	
Rated output power (W)	3600
Rated output voltage (V)	230
Rated output current (A)	16
Rated output frequency (Hz)	50/60
Surge power, duration	4500W, 30s
Switching time	20ms
Wave form	Sinuswelle
THDV	<3%
Parallel capacity	6
Efficiency	
Max. efficiency	97.3%
Max. charge / discharge efficiency	94.5%
Protection	
Over current/voltage protection	YES
Anti-islanding protection	YES
AC Short-circuit current protection	YES
Grid monitoring	YES
AC surge protection	Type III
General	
Dimensions (W*H*D)	650*440*220mm/25.6*17.3*8.6inch
Weight	15.6kg/34.4lbs
Ingress protection rating	IP65
Operating environment temperature range (°C)	-25~60
Storage temperature range (°C)	-40~65
Relative humidity	0~95%
Display & Communication interface	LCD, RS485/Wi-Fi/CAN
Warranty	5 years
Cooling method	Natural Cooling
Topology	Transformer-less
Altitude (m)	2000
Noise emission (Typical)	<25dB
AC connector	YES
Standards & Certification	
IEC62109-1, IEC62040, EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+ AC:2012, EN 61000-3-2:2014, EN 61000-3-3:2013, VDE-AR-N 4105 EN50549-1, G98, G100	