

## HLX-HR 1.5-11K (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	1.5K	2.2K	3.6K	5.8K	6K	8K	11K	
<b>Input(PV DC)</b>								
Max. PV array power(W)	2000	3000	4000	6500		10000	11000	
Max. PV input voltage(V)	500							
Number of independent MPPT inputs	1					2		
MPPT voltage range(V)	30~450			60~450		90~450		
Start-up voltage(V)	30			60		90		
Max. PV input current per MPPT(A)	15		27		27	18/18	27/27	
<b>Battery</b>								
Compatible battery type	Lithium-ion/Lead-acid							
Rated battery voltage(V)	12	24		48				
Floating Charge Voltage(V)	13.5	27		54				
OverCharge Protection(V)	16.5	32		63				
Max. PV Charge Current	100			120		140	160	
Max. AC Charge Current	60			80		120		
Max. Charge Current(PV+AC)	100			120		140	160	
Force wake up battery from PV function	Yes							
Force wake up battery from Grid function	No			Yes				
<b>Grid</b>								
Rated AC voltage(V)	230							
AC voltage range(V)	170-280VAC(For Personal Computer); 90-280VAC(For Home Appliances)							
Rated AC frequency(Hz)	50/60							
Rated AC output current(A)	6.5	9.6	15.7	25.2	26.1	34.8	47.8	
Rated AC output power(W)	1500	2200	3600	5800	6000	8000	11000	
PF	0.99							
THDI	<3%							
<b>UPS</b>								
Rated output power(W)	1500	2200	3600	5800	6000	8000	11000	
Rated output voltage(V)	220/230VAC+5%							
Rated output current(A)	6.5	9.6	15.7	25.2	26.1	34.8	47.8	
Rated output frequency(Hz)	50/60							
Output Port	Single Output			Dual Outputs				
Surge power, duration	2Pn							
Switching time(UPS )	10ms(For Personal Computer); 20ms(For Home Appliances)							
Wave form	Sine wave							
THDV	3%							
Overload Protection	5s@>=140% load; 10s@100%~140% load							
<b>Efficiency</b>								
MPPT efficiency	99.0%							
Max. charge efficiency	96.0%							
Max. discharge efficiency	93.0%							
<b>Protection</b>								
Over current / voltage protection	Yes							
AC Short-circuit current protection	Yes							
DC Surge protection	Type III							
AC Surge protection Type III	Type III							
<b>General</b>								
Dimensions(W*H*D)	307*418*111mm / 12.1*16.5*4.4 in			322*488*122mm / 12.7*19.2*4.8 in		405*550*122mm / 15.9*21.7*4.8 in		
Weight(kg)	6kg/ 13.2lbs	6.2kg/ 13.7lbs	6.4kg/ 14.1lbs	8.1kg/ 17.9lbs	9.3kg/ 20.5lbs	14.4kg/ 31.7lbs	15.2kg/ 33.5 lbs	
Ingress protection rating	IP31							
Parallel Capacity	No				Yes, 12		Yes, 6	
Relative humidity	5%~95%							
Operating environment temperature range(°C)	-10~55							
Storage temperature range(°C)	-15~60							
Display & Communication interface	WIFI / 2G							
Warranty	2 years							
Cooling method	Smart Cooling							
Altitude	<4000M							
<b>Standard &amp; Certification</b>								