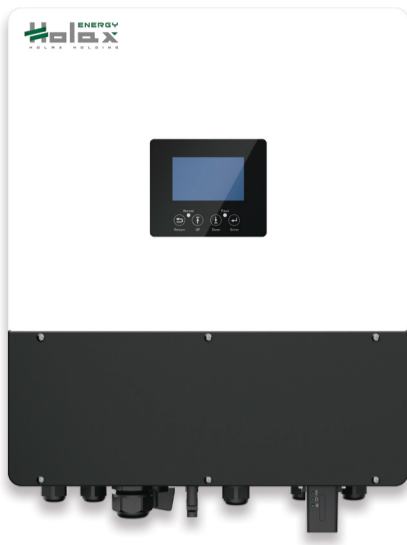


HLX2-IST 3-6K (SINGLE-PHASE)



- 2 MPPTs with Max. PV Input of 9.6kW, 18A Max. PV Input Current per MPPT
- Max. Charge/Discharge Current: 125A / 140A
- Parallel Operation Support: Up to 10 units for both on-grid and off-grid systems
- 24/7 Real-Time Monitoring: Access and manage remotely
- Dedicated Ports for Multiple Connections:
 - Generator Connection
 - Smart Load Connection
 - AC Coupling Function

Model	3K	3.6K	4K	4.6K	5K	6K
Input (PV DC)						
Max. PV input power (W)	6600	7000		9000	9600	
Rated PV input voltage (V)				360		
Number of independent MPPT inputs				2/(1:1)		
PV input voltage range (V)				100~530		
MPPT voltage range (V)				150~425		
Start-up voltage (V)				100		
Max. PV input current per MPPT (A)				18		
Max. PV short-circuit current input per MPPT (A)				32		
Battery						
Compatible battery type				Lithium-ion/Lead-Acid		
Rated battery voltage (V)				48		
Battery voltage range (V)				40~60		
Max. charging/discharging current (A)	80/80	80/80	80/80	96/96	105/120	125/140
Max. charging/discharging power (W)	3000	3600	4000	4600	5000	6000
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	15.7	17.4	20	21.7	26
Rated AC output power (W)	3000	3600	4000	4600	5000	6000
Max. AC input power (W)				12000		
PF				0.99(Adjustable from 0.8 leading to 0.8 lagging)		
THDI				<3%		
Max. continuous AC passthrough current(A)				52.2		
GEN						
Rated GEN voltage (V)				230		
Rated GEN frequency (Hz)				50/60		
Rated GEN input current (A)				40		
Rated GEN input power (W)				9200		
Rated GEN current of BYPASS relays (A)				60		
UPS						
Rated output power (W)	3000	3600	4000	4600	5000	6000
Rated output voltage (V)				230		
Rated output current (A)	13	15.7	17.4	20	21.7	26
Rated output frequency (Hz)				50/60		
Surge power, duration				2Pn, 0.5s		
Switching time (UPS)				20ms		
Wave form				Sine wave		
THDV				<5%		
Efficiency						
MPPT efficiency				99.9%		
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		
Leakage current protection				YES		
Ground fault monitoring				YES		
Grid monitoring				YES		
DC switch				YES		
DC surge protection				Type III		
AC surge protection				Type III		
General						
Dimensions (W*H*D)				528*440*220mm / 20.8*17.4*8.7 in		
Weight				25kg / 55 lbs		
Ingress protection rating				NEMA4X/ IP66		
Operating environment temperature range (°C)				-25~60		
Storage temperature range (°C)				-40~65		
Relative humidity				0~100%		
Display & Communication interface				LCD+RGB, RS485/Wi-Fi/CAN		
Warranty				5/10 years		
Cooling method				Smart cooling		
Topology on AC side				Transformer-less		
Topology on Battery side				Transformer		
Altitude(m)				2000		
Noise emission(typical)				50dB		
DC connection(VP-D4/MC4(Optional))				MC4		
AC connector				YES		
Standards & Certification						
G99, G100, CEI 0-21, RD 1699, NTS, UNE 217001, NRS 097						