

HLX-IST 7-10K



- 2 MPPTs, Max. PV input 15kW
- Max. charging and discharging current: 210A
- Supports up to 10pcs in parallel for on/off grid
- Time of Use and weather optimization charge for e-bill reduction
- Separate port for
 - Generator connection
 - Auto generator control
 - Support generator exercise
 - Support generator boost function
 - Or smart load connection and auto control
 - Or AC coupling function

| INPUT (PV DC) | 7K | 8K | 10K |
|---|-------|---|-------|
| Max. PV array power(W) | 12000 | 12000 | 15000 |
| Rated PV input voltage(V) | | 360 | |
| Number of independent MPPT inputs | | 2/(2:2) | |
| PV input voltage range(V) | | 100~600 | |
| MPPT voltage range(V) | | 120~500 | |
| Start-up voltage(V) | | 140 | |
| Max. PV input current per MPPT(A) | | 25 | |
| Max. PV short-circuit current input per MPPT(A) | | 34 | |
| Battery | | | |
| Compatible battery type | | Lithium-ion/Lead-Acid | |
| Rated battery voltage(V) | | 48 | |
| Battery voltage range(V) | | 40~60 | |
| Max. charge/discharge current(A) | 146 | 167 | 210 |
| Max. charge/discharge power(W) | 7000 | 8000 | 10000 |
| Force wake up battery from PV function(Y/N) | | YES | |
| Grid | | | |
| Rated AC voltage(V) | | 230 | |
| Rated AC frequency(Hz) | | 50/60 | |
| Rated AC output current(A) | 30.4 | 34.7 | 43.5 |
| Rated AC output power(W) | 7000 | 8000 | 10000 |
| Max. AC input power(W) | | 15000 | |
| PF | | 0.99 (Adjustable from 0.8 leading to 0.8 lagging) | |
| THDI | | <3% | |
| Max. continuous AC passthrough current(A) | | 90 | |
| UPS | | | |
| Rated output power(W) | 7000 | 8000 | 10000 |
| Rated output voltage(V) | | 230 | |
| Rated output current(A) | 30.4 | 34.7 | 43.5 |
| Rated output frequency(Hz) | | 50/60 | |
| Surge power, duration | | 2Pn, 0.5s | |
| Switching time | | <20ms | |
| Wave form | | Sine wave | |
| THDV | | <3% | |
| Efficiency | | | |
| MPPT efficiency | | 99.9% | |
| Max. efficiency@PV to grid | | 97.5% | |
| Max. efficiency@battery to grid | | 94% | |
| Max. charge/discharge efficiency | | 94% | |
| Protection | | | |
| PV reverse polarity protection | | YES | |
| 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 | |
| AC/DC Surge protection Type III | | YES | |
| General | | | |
| Dimensions(W*H*D) | | 536*556*290mm/21.1*21.9*11.4inch | |
| Weight | | 42.64kg/94lbs | |
| Ingress protection rating | | IP65/NEMA 4X | |
| Relative humidity | | 0~100% | |
| Operating environment temperature range(°C) | | -25~60 | |
| Storage temperature range(°C) | | -25~60 | |
| Display & Communication interface | | Touch color screen, RS485/Wifi/CAN | |
| Warranty | | 5 years | |
| Cooling method | | Smart cooling | |
| Topology | | Transformer-less | |
| Altitude | | <2000m | |
| Noise emission(typical) | | <50dB | |
| Standard & Certification | | | |
| G99, G100, NRS 097 | | | |