SSE-HL8K~15K-P2US

Split-Phase Hybrid Inverter

- A variety of intelligent working modes
- Easy to install
- Support BMS communication
- IP65, long lifespan
- Remote monitoring via APP or Web
- Integrated 3 MPPTs

MODEL	SSE-HL8K-P2US	SSE-HL10K-P2US	SSE-HL12K-P2US	SSE-HL15K-P2US
BATTERY				
BATTERY TYPE	LITHIUM/LEAD-ACID			
BATTERY VOLTAGE RANGE	40~60V D.C.			
RATED BATTERY VOLTAGE	51.2V D.C.			
MAX.CHARGE CURRENT	167A D.C.	210A D.C.	250A D.C.	275A D.C.
MAX.DISCHARGE CURRENT	167A D.C.	210A D.C.	250A D.C.	275A D.C.
REVERSE CONNECT PROTECTION	YES			

Application scenario

House · Farm · Telecom · Countryside · Island · Pasture

MODEL	SSE-HL8K-P2US	SSE-HL10K-P2US	SSE-HL12K-P2US	SSE-HL15K-P2US
PV INPUT				
NO.OF MPPT TRACKER/STRINGS	2 /2+2	3/2+2+2	3/2+2+2	3/2+2+2
MAX.PV ARRAY POWER	12KW	15KW	18KW	22.5KW
MAX.DC VOLTAGE	525V D.C.			
MPPT VOLTAGE RANGE	120~500V D.C.			
START-UP VOLTAGE	100V D.C.			
MAX.INPUT CURRENT	26+26+26A D.C.			
ISC PV (ABSOLUTE MAXIMUM)	39A D.C.			
AC OUTPUT (EPS)				
EPS RATED OUTPUT VOLTAGE	120V A.C./240V A.C.(SPLIT PHASE),208V A.C.(2/3PHASE)			
EPS RATED OUTPUT FREQUENCY	50HZ/60HZ			
EPS RATED OUTPUT ACTIVE POWER	8KW	10KW	12KW	15KW
EPS RATED OUTPUT APPARENT POWER	8KVA	10KVA	12KVA	15KVA
EPS RATED OUTPUT CURRENT	33.4A A.C.	41.7A A.C.	50A A.C.	62.5A A.C.
OVERLOAD CAPACITY (OFF GRID)	200% 10S			
INVERTER INPUT/OUTPUT(GRID)				
RATED POWER(INPUT/OUTPUT)	8KW	10KW	12KW	15KW
RATED VOLTAGE	120V A.C./240V A.C.(SPLIT PHASE),208V A.C.(2/3PHASE)			
RATED FREQUENCY	50HZ/60 HZ			
POWER FACTOR RANGE	0.8 LEADING ~ 0.8 LAGGING			
SWITCH TIME	<10MS			
CURRENT(MAXIMUM CONTINUOUS)	33.4A A.C.	41.7A A.C.	50A A.C.	62.5A A.C.
MAX. OUTPUT OVERCURRENT PROTECTION	250V A.C/125A A.C			
GENERAL PARAMETER				
STORAGE TEMPERATURE	-25° C~ +60° C (-13° F~ +140° F)			
OPERATING TEMPERATURE	-25° C~ +60° C(-13° F ~+140° F),>+45° C(+113° F) DERATING TO 60%			
HUMIDITY	0~95%(NON-CONDENSING)			
OPERATING ALTITUDE	4000M(>2000M DERATING)			
NOISE	<45DB			
MACHINE DIMENSIONS(W*H*D)	450*700*240 MM (17.72*27.56*9.45 IN)			
MACHINE WEIGHT/N.W.	45 KG (99.21 IBS)			
DISPLAY & COMMUNICATION				
DISPLAY	LED+APP			
INTERFACE	RS485/WIFI/CAN(OPTIONAL:BLUETOOTH/LAN/4G/METER)			
PROTECTION & FEATURE				
INSULATION MONITORING	YES			
RESIDUAL CURRENT MONITORING	YES			
PARALLEL FUNCTION	YES			
PROTECTION DEGREE	IP65			
CERTIFICATIONS	IEEE1547, CA RULE21, HECO SRD V2.0, UI1741, UL1741 SA/SB, CSA C22.2, UL1699B			
OTHER PROTECTION	OVERLOAD,OVERTEMPERATURE,SHORTCIRCUIT, ANTI-ISLANDING			
EFFICIENCY				
MPPT EFFICIENCY	99.90%			
CALIFORNIA-EFFICIENCY	96.50%			
MAX. EFICIENCY	97.5%			

The AC voltage and frequency range can differ according to the grid standards of each country
Please note that all specifications are subject to change without priornotice