

Microinverter LS1500 (Quad-input) Specifications

INPUT DATA [DC]	LS1500-208	LS1500-220	LS1500-240	LS1500-277
Recommended PV module power (STC)	230 - 350W			230 - 350W
Maximum input voltage	60V			60V
MPPT voltage range (Full Power)	30 – 45V			52 - 56V
Operating voltage range	22 - 55V			50 - 57V
Number of MPPT	4			2
Maximum input string	4			2
Maximum DC short circuit current	60A (15A per MPPT)			40A (20A per MPPT)
Maximum input current	40A (12A per MPPT)			30A (15A per MPPT)
OUTPUT DATA [AC]				
Peak power	1200W	1200W	1200W	1400W
Maximum continuous output power	1200W	1200W	1200W	1400W
Maximum continuous output current	5.77A	5.46A	5.0A	5.05
Nominal voltage	208V	220V	240V	277
Nominal operating voltage range	184 - 228V	194 - 242V	211 - 264V	244 – 305V
Nominal operating frequency	50/60Hz			
Power factor	>0.95 (\pm 0.9 adjustable)			
Total harmonic distortion	<4%			
Maximum output over current protection (AC)	15A			
Maximum units per 20A branch	3			
EFFICIENCY				
Peak inverter efficiency	95.0%			
Static MPPT efficiency	99.9%			
MECHANICAL DATA				
Operating ambient temp range	-40°C to 65°C			
Dimensions (W x H x D)	30.7 cm x 26.3 cm x 5.05cm (12.1 in x 10.4 in x 2.1in)			
Protect function	Overload, short circuit, over / under voltage, high temperature, reactive power compensation, anti-islanding			
Weight	7.5 Kg (16.5 lbs)			
Cooling	Natural convection			
Enclosure environmental rating	TYPE 6			
OTHER FEATURES				
Reactive Power Compensation	Yes			
Night time power consumption	<300mW			
Compliance	IEC 61727, IEC 62116, IEC/EN 62109-1, 62109-2, AS4777.2, AS4777.3, AS/NZ 3100, UL 1741/IEEE 1547, FCC Part 15, CAN/CSA-C22.2 NO.0-M91, 0.4-04, and 107.1-01			
Communication	Zigbee / RF			

Picture

