

Microinverter LS1500 (Quad-input) Specifications

INPUT DATA [DC]	LS1500TS-208	LS1500TS-240	LS1500TS-277	LS1500-220
Recommended PV module power (STC)	230 - 350W			230 - 350W
Maximum input voltage	60V			60V
MPPT voltage range (Full Power)	52 - 56V			30 - 45V
Operating voltage range	50 - 57V			22 - 55V
Number of MPPT	2			4
Maximum input string	2			4
Maximum DC short circuit current	40A (20A per MPPT)			60A (15A per MPPT)
Maximum input current	32A (16A per MPPT)			40A (12A per MPPT)
OUTPUT DATA [AC]				
Peak power	1200W	1400W	1400W	1200W
Maximum continuous output power	1200W	1400W	1400W	1200W
Maximum continuous output current	5.77A	5.83A	5.05A	5.45
Nominal voltage	208V	240V	277V	220
Nominal operating voltage range	184 - 228V	212 - 264V	244 - 305V	184 - 305V
Nominal operating frequency	50/60Hz			
Power factor	>0.95 (± 0.9 adjustable)			
Total harmonic distortion	<4%			
Maximum output over current protection (AC)	8A			
Maximum units per 20A branch	4			
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)	28 cm x 24 cm x 4.5cm (11.1 in x 9.5 in x 1.8 in)			
Protect function	Overload, short circuit, over / under voltage, high temperature, reactive power compensation, low voltage ride through			
Weight	5.0 Kg (11 lbs)			
Cooling	Natural convection			
Enclosure environmental rating	NEMA 6 (IP65)			
OTHER FEATURES				
Low Voltage Ride Through (LVRT)	Yes			
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 15B, CAN/CSA-C22.2 NO.0-M91, 0.4-04, and 107.1-01			
Communication	Zigbee / RF			

Picture

