

Microinverter LS600 (Dual-Input) Specification

INPUT DATA [DC]	LS600	LS600-AU	LS600-EU	LS600-NA
Recommended PV module power (STC)	230 – 300W			
Maximum input voltage	60V			
MPPT voltage range (Full Power)	27 – 45V			
Operating voltage range	22 – 55V			
Maximum DC short circuit current	30A (15A per MPPT)			
Maximum input current	19.4 A (9.7A per MPPT)			
OUTPUT DATA [AC]				
Peak power	600W			
Maximum continuous output power	500W			
Nominal output current	2.17A / 2.08A	2.08A	2.17A	2.08A
Nominal voltage	230V / 240V	240V	230V	240V
Nominal operating voltage range	202 – 253V (for 230V) 211 – 264V (for 240V)	205 – 265V	195.5 – 253V	211 – 264V
Nominal operating frequency	50Hz / 60Hz	50Hz	50Hz	60Hz
Power factor	>0.95			
Total harmonic distortion	<4%			
Maximum units per 20A branch	7			9
EFFICIENCY				
Peak inverter efficiency	96.2%			
CEC weighted efficiency	96.0%			
Static MPPT efficiency	99.4%			
MECHANICAL DATA				
Operating ambient temp range	-40°C to 65°C			
Dimensions (W x H x D)	25.7 cm x 17.8 cm x 3.1 cm (10.1" x 7.0" x 1.2")			
Protect function	Overload, short circuit, over / under voltage, high temperature			
Weight	3.5 Kg (7.7 lbs)			
Cooling	Natural convection			
Enclosure environmental rating	IP65			NEMA 4
OTHER FEATURES				
Night time power consumption	<100mW			
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 Class B, CAN/CSA-C22.2 NO.0-M91, 0.4-04, and 107.1-01, G59/3-1, G83/2, VDE-0126-1-1, UTE C15-712-1, EN 50438			
Communication	Power Line Carrier			

Figure

