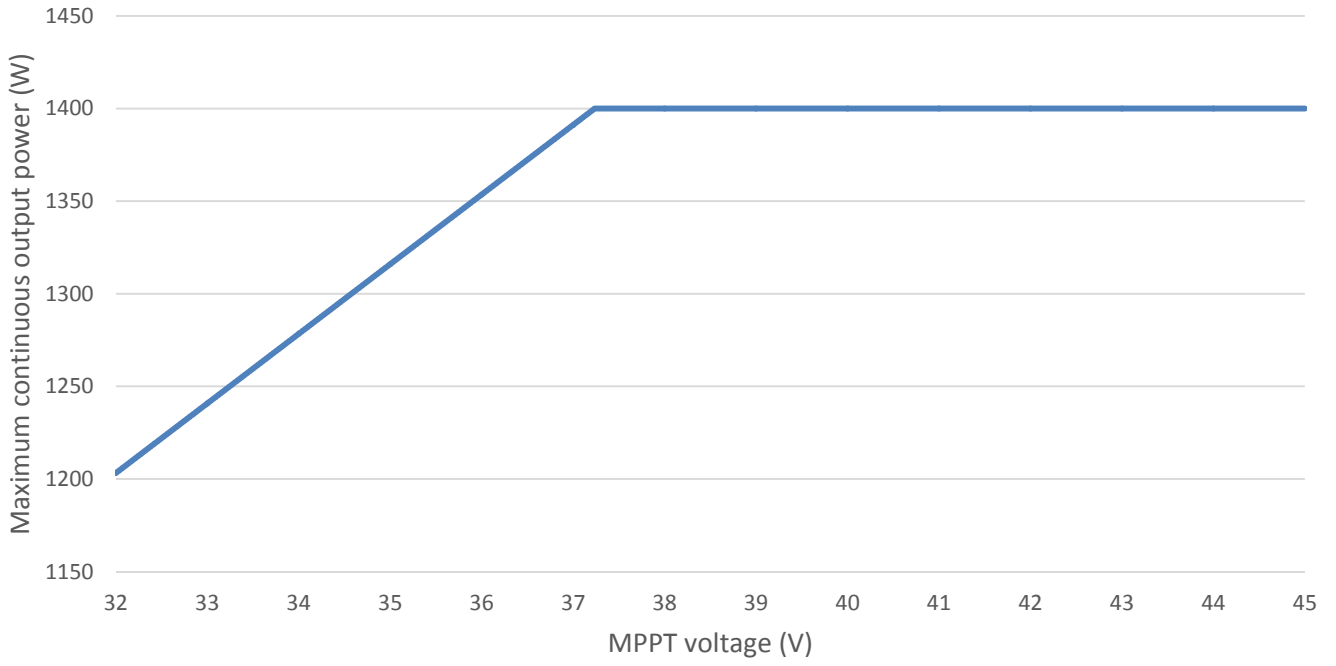


# Micro inverter LS1400 Specifications

<b>INPUT DATA [DC]</b>			
Recommended PV module power (STC)	230 - 350W		
Maximum input voltage	60V		
MPPT voltage range(Full Power)	32 - 45V		
Operating voltage range	22 - 55V		
Number of MPPT	4		
Maximum input string	4		
Maximum DC short circuit current	60A (15A per MPPT)		
Maximum input current	40A (10A per MPPT)		
<b>OUTPUT DATA [AC]</b>			
Peak power	1400W	1400W	1400W
Maximum continuous output power	1200 – 1400W	1200 – 1400W	1200 – 1400W
Maximum continuous output current	5.77 - 6.73A	5.00 - 5.83A	4.33 - 5.05A
Nominal grid voltage	208V	240V	277V
Operating grid voltage range	184-228V	212 - 264V	244 - 305V
Operating frequency range	59.3-60.5Hz		
Power factor	>0.99 ( $\pm 0.8$ adjustable)		
Total harmonic distortion	<3%		
Maximum output overcurrent protection (AC)	15A		
Maximum units per 32A branch	4	5	6
<b>EFFICIENCY</b>			
Peak inverter efficiency	95.0%		
CEC weighted efficiency	94.5%		
Static MPPT efficiency	99.9%		
<b>MECHANICAL DATA</b>			
Operating ambient temp range	-25°C to 60°C		
Dimensions (W x H x D)	32.2 cm x 27.8 cm x 8.0 cm (12.7 in x 10.9 in x 3.1 in)		
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		
<b>OTHER FEATURES</b>			
Reactive Power Control	YES. (PF adjustable)		
Night time power consumption	<200mW		
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		

### Maximum continuous output power curve



### Maximum continuous output current curve

