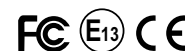
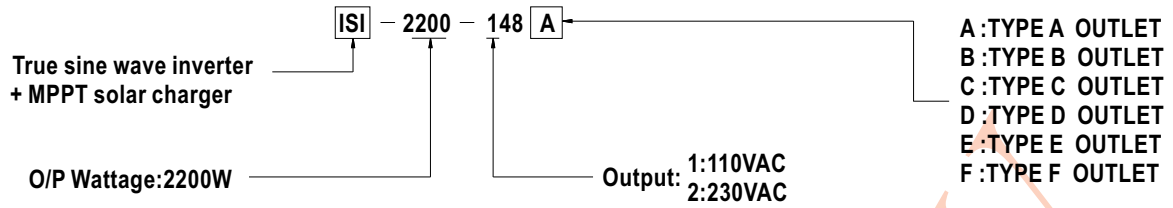


■ Features :

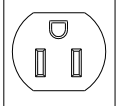
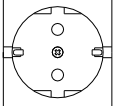
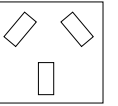
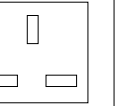
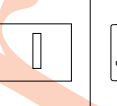
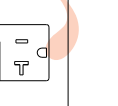
- True sine wave output (THD<3%)
- High surge power up to 4400W
- Built-in MPPT solar charger, MPPT efficiency:98%(peak)
- High efficiency up to 91%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload / AC circuit breaker
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Built-in remote ON-OFF control
- Built-in battery low relay contact
- Optional remote controller
- 3 years warranty


SPECIFICATION

MODEL		ISI-2200-148	ISI-2200-248	
INVERTER SECTION	OUTPUT	RATED POWER (Typ.)	2200W	
		MAXIMUM OUTPUT POWER (Typ.)	2530W for 180 sec. / 3300W for 10 sec. / surge power 4400W for 30 cycles	
		AC VOLTAGE	Factory setting set at 110VAC 100 / 110 / 115 / 120VAC selectable by setting button S.W	Factory setting set at 230VAC 200 / 220 / 230 / 240VAC selectable by setting button S.W
		FREQUENCY	60±0.1Hz 50/60Hz selectable by setting button S.W	50±0.1Hz 50/60Hz selectable by setting button S.W
		WAVEFORM	True sine wave (THD<3%) at rated input voltage	
		AC REGULATION (Typ.)	±3%	
		SAVING MODE (Typ.)	Default disabled. Load ≤ 5W will be changed to standby mode	
		FRONT PANEL INDICATOR	Battery voltage level, output load level, saving mode, fault and operation status	
	INPUT	BAT. VOLTAGE	48V	
		VOLTAGE RANGE (Typ.) Note.3,6	42 ~ 60VDC	
		DC CURRENT (Typ.) Note.4	55A	
		NO LOAD DISSIPATION (Typ.)	≤ 10W @ standby saving mode	
		OFF MODE CURRENT DRAW (Typ.)	≤ 1mA	
		EFFICIENCY (Typ.) Note.1	90%	91%
	OUTPUT PROTECTION	OVER TEMPERATURE	85°C ± 5°C Protection type : Shut down o/p voltage, re-power on to recover	75°C ± 5°C
		OUTPUT SHORT	Protection type : Shut down o/p voltage, re-power on to recover	
		OVER LOAD (Typ.)	105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec. Protection type : Shut down o/p voltage, re-power on to recover	
		GFCI PROTECTION	Optional (Only type F)	None
BATTERY SECTION	CHARGER CURRENT (max.)	30A		
	RECOMMENDED BATTERY CAPACITY (min.)	150AH		
	EXTERNAL BATTERY TYPES	Open & sealed lead acid battery		
	BAT. LOW RELAY CONTACT	Open : Battery low ; Short : Battery ok		
	FUSE	40A*3		
	BAT. LOW ALARM Note.6	45V		
	BAT. LOW SHUTDOWN Note.6	42V		
	REVERSE POLARITY	By internal fuse open		
MPPT / SOLAR SECTION	MPPT CHARGER EFFICIENCY (peak)	98%		
	OPEN CIRCUIT VOLTAGE RANGE	90 ~ 215V		
	SOLAR INPUT CURRENT (max.)	20A		
GENERAL SECTION	ENVIRONMENT	WORKING TEMP. Note.2	0 ~ +40°C @ 100% load ; 60°C @ 50% load	
		WORKING HUMIDITY	20% ~ 90% RH non-condensing	
		STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH	
		VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes	
	SAFETY & EMC	SAFETY STANDARDS	None	EN60950-1 (LVD)
		WITHSTAND VOLTAGE	Bat I/P - AC I/P:3.0KVAC Bat I/P - AC O/P:3.0KVAC AC O/P - FG:1.5KVAC	
		ISOLATION RESISTANCE	Bat I/P - AC O/P, Bat I/P - FG, AC O/P - FG: 100M ohms / 500VDC / 25°C / 70% RH	
		EMC EMISSION	Compliance to FCC part 15 class A	Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark
		EMC IMMUNITY	None	Compliance to EN61000-4-2,3,4,5,6,8,11
	OTHERS	MTBF	Khrs min. MIL-HDBK-217F (25°C)	
		CONTROL WIRING	RJ11 -RS232 (Option)	
		DIMENSION	* * mm (L*W*H)	
PACKING		Kg		
NOTE		1. Efficiency is tested by 1650W, linear load at 52V input voltage. 2. Output derating capacity referenced by curve 1. 3. Output derating capacity referenced by curve 2. 4. DC current is tested by 2200W, linear load at 48V input voltage. 5. All parameters not specified above are measured at rated load, 25°C of ambient temperature. 6. The tolerance of each voltage value is ±2V.		



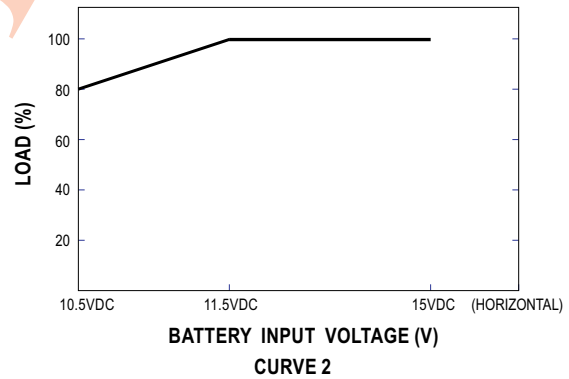
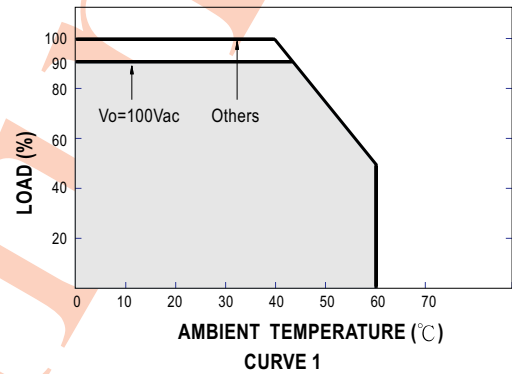
AC Output Receptacle

Receptacle type						
	TYPE-A	TYPE-B	TYPE-C	TYPE-D	TYPE-E	TYPE-F
	Standard	Standard	Optional	Optional	Optional	Optional
Country	USA	EUROPE	AUSTRALIA	U.K	JAPAN	GFCI
Certificate	FC	E13 CE	E13 CE	E13 CE	FC	FC

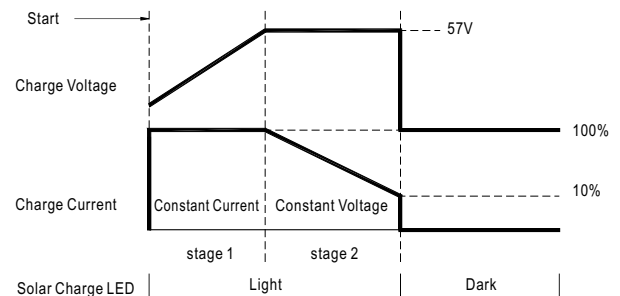
Mechanical Specification

Derating Curve

Unit:mm



Charging Curve


Bat. Low Relay Connector :
JST B-XH or equivalent

Open	Battery low
Short	Battery OK