

# Inverter Charger Hi-Frequency

*The Top-Quality System to Power Future's Mobile World*

- Fully digitized microprocessor controlled
- LED Indicators front panel
- Short circuit, overload, over charge voltage, over temp. protection
- Cold start (DC power on)
- Advanced Battery Management
- Up to 8A charging current
- User selection Narrow / Wide range input voltage
- Auto charging when UPS off IMPERIAL LED
- Overload shutdown, auto return to normal mode after overload alarm is disabled



Horizontal

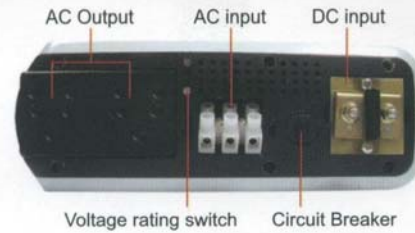


Vertical



Complete Power Solution™

ISO 9001 Certified Company



## SPECIFICATION

MODEL	ICH - 550		ICH - 1050		
Capacity (VA / W)	550VA / 330W		1050VA / 630W		
INPUT	Voltage	120 / 230V AC			
	Voltage Range (V)	Narrow : 90 ~ 144	Wide : 50 ~ 144	Narrow : 170 ~ 280	Wide : 90 ~ 280
	Frequency Range (Hz)	50 or 60 Hz +/-10% (auto sensing)			
OUTPUT	Voltage (V)	Simulated sine wave at 120 / 230 +/-10% (DC MODE) Sine wave follow I/P Voltage (AC MODE)			
	Frequency (Hz)	50 or 60 Hz +/-0.3Hz			
	Wave Form	Simulated sine wave (DC MODE) Sine wave (AC MODE)			
EFFICIENCY	AC to AC	>95%			
	DC to AC	>80%			
TRANSFER TIME	Bypass to Inverter (ms)	7ms typical			
	Inverter to Bypass (ms)	7ms typical			
LINE / INV	High voltage Transfer	Narrow : 138 ~ 150	Wide : 138 ~ 150	Narrow : 264 ~ 287	Wide : 264 ~ 287
	High voltage Recovery	Narrow : 132 ~ 144	Wide : 132 ~ 144	Narrow : 253 ~ 275	Wide : 253 ~ 275
	Low voltage Transfer	Narrow : 84 ~ 96	Wide : 44 ~ 56	Narrow : 163 ~ 182	Wide : 80 ~ 100
	Low voltage Recovery	Narrow : 90 ~ 102	Wide : 49 ~ 61	Narrow : 174 ~ 194	Wide : 86 ~ 106
LED DISPLAY	Line Mode	Green LED			
	Battery Mode	Yellow LED			
	Battery Fault / Over Load	Red Led (1)			
	Over Temp	Red Led (2)			
PROTECTION	Overload Protection	UPS / INV automatic shutdown if over load exceeds			
	Short Circuit Protection	UPS / INV output cut immediately			
	Thermal Protection	(1) FAN ON (2) Over Temp. LED ON, 3min later UPS / INV cut off			
DC INPUT	Voltage / Load	12 Vdc		24 Vdc	
	Voltage Range	10 ~ 14.5 Vdc		20 ~ 29 Vdc	
CHARGER	Charging Voltage	13.7 Vdc		27.4 Vdc	
	Charging Current	8A		6A	
	Over Charge Protection	14.5 Vdc		29 Vdc	
COOLING	Forced air with fan				
WEIGHT	Kg (lb)	1.6 (3.52 lb)		1.8 (3.96 lb)	
DIMENSION	W x D x H (mm)	123 x 136 x 102 (4.8" x 5.4" x 4.0")			
AUDIBLE NOISE	< 40dBA (1 meter from surface)				
ENVIRONMENT	Temperature	0 - 40 deg C			
	Humidity	0 - 95% humidity			

**Available Through:**

OUTPUT RECEPTACLE OPTION

