

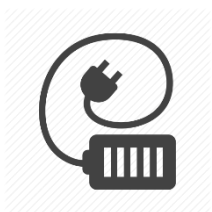


Hybrid Inverter Charger

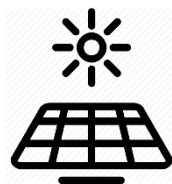


HIC is a pure sinewave inverter designed with a combination of Solar System, AC power and Battery Power.

Charges battery using electricity generated from solar panels or utility, Power your loads in the evening when utility rates are low. It also fortifies your home and office loads against power outages by providing a backup electricity supply. Compact and easy to install, EnerSalviS offers independence from the utility grid and the security of an emergency backup.



Battery at Night



Solar Charged Battery



Day & Night Rates Saving



Backup Power

MODEL	Description	HIC 1000	HIC 2000
CAPACITY	VA / WATTS	1000 VA / 800 W	2000 VA / 1600 W
PV	Rated Voltage	40~120Vdc	
	MPPT Range	40~120Vdc	60~120Vdc
	Max. Input Current	25A	35A
	Max. PV Array Open Circuit Voltage	150Vdc	
	PV Array Polarity Error Protection	Yes	
BATTERY	No. of Batteries	2	4
	Rated Battery Voltage	24 VDC	48 VDC
	Charge Current (Max.)	7A	
	Floating Mode Charging Voltage	27.3Vdc ± 1%	54.6Vdc ± 1%
	Bulk Mode Charging Voltage	28.2Vdc ± 1%	56.4Vdc ± 1%
	DC leakage Current	≤ 30μA with no AC applied and the unit in off position	
AC INPUT	Voltage Rating	110/140/160-300 VAC (Based on load percentage 0-25% / 25-50% / 50-100%)	
	Frequency Rating	45-65Hz	
	Phase	Single phase with ground	
	Power Factor	≥ 0.99 (with full linear load)	
	Generator Input	Supported	
AC OUTPUT	Voltage	230V, adjustable to 200/208/220/230/240	
	Voltage Regulation	Within ±1% until low battery warning	
	Frequency (Synchronized Range)	3Hz or 1Hz (selectable)	
	Frequency (PV mode)	50/60Hz +0.2% unless synchronized to line	
	Current Crest Ratio	3:1	
	Harmonic Distortion	< 3% at full linear load	
	Output Waveform	Pure sine wave	
EFFICIENCY	ECO mode	97%	
FRONT PANEL	LED (Standard) LCD (Optional)	Normal, Battery, Bypass, Self-Test, Battery Weak & Bad, Site Wiring Fault, Fault, Overload and Load/Battery Level	
	Button	On (Silence) / OFF / Enter / Function / Up / Down	
PHYSICAL	Dimension (H x W x D in mm)	600 x 445 x 105	
	Weight	10kg	13kg
ENVIRONMENTAL	Operating Temperature	0~40°C	
	Noise Level	≤50dB	
	Relative Humidity	0-90% (without compensation)	
INTERFACE	Standard	USB	
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.	
STANDARDS AND CERTIFICATIONS	Safety	IEC / EN 62040-1	
	EMC	EN62040-2, EN61000-3-2, EN61000-3-3	

Designed &
Engineered by:

