swelect

Stay powerful
when Sun shines.
And thereafter...

(Formerly known as NUMERIC POWER SYSTEMS LIMITED)

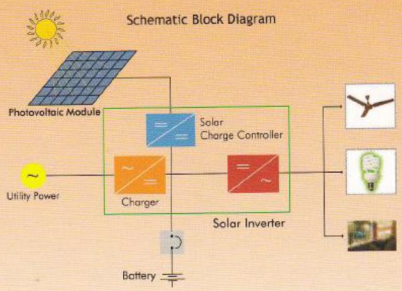
SWEES

HPH SW-S Series

Pure Sine Wave Solar Inverters for Home and Office use with built in AC Charger, Solar power charger and LCD Display

Features

- Advanced Microprocessor based design
- Multistage charger
- Separate port for Solar power input with built in Solar power charger
- Compact design
- Fast Action AC Synchronized Transfer Switch
- Heat-Sink built in internal
- Soft Start
- Input & Output Isolated
- Auto temperature control fan
- Reverse polarity protection
- Temperature protection
- Over Load protection
- Input high / Low voltage protection
- Low Battery alarm / Low Battery Shut-down
- Remote Control (optional)
- Compatible with both Linear and Non-Linear Loads



Accredited as Channel Partner for Off-grid and Decentralized Solar Applications (PV) under JNNSM by MNRE

Empanelled as Energy Service Company with Bureau of Energy Efficiency (BEE)

Technical Specification

swelect

Capacity		**VA/Watt**	1.2 kVA / 800W	2.4kVA / 1600W	3.6kVA / 2400W	5kVA / 4000W	6kVA / 6000W	8kVA / 8000W
Model No.			SWESS HPH SW - S 12 12	SWESS HPH SW - S 24 24	SWESS HPH SW - S 36 24	SWESS HPH SW - S 50 24	SWESS HPH SW - S 60 48	SWESS HPH SW - S 80 48
Input	**Nominal Voltage**		110/115/120Vac or 220/230/240Vac					220/230/240Vac
	Voltage Range	Acceptable Voltage Range	60~135 Vac or 120~270 Vac					120~270 Vac
		Frequency	45 Hz ~ 70 Hz Auto sensing					
		Low Voltage Transfer	60 Vac±2% ; 120 Vac±2%					120 Vac±2%
		Low Voltage Return	65 Vac±2% ; 130 Vac±2%					130 Vac±2%
		High Voltage Transfer	135 Vac±2% ; 270 Vac±2%					270 Vac±2%
		High Voltage Return	130 Vac±2% ; 260 Vac±2%					260 Vac±2%
Output	Voltage		110/115/120 Vac or 220/230/240 Vac re-settable via LCD panel					
	Voltage Regulation (Bat Mode)		<3% RMS for entire battery voltage range					
	Frequency Regulation	Line Mode	Synchronized to AC Main					
		Battery Mode	50 Hz or 60 Hz±0.1Hz					
	Power Factor			0.67		0.8		1.0
	Wave Form		Pure Sine Wave					
	Effeciency		>75%	>80%				
	Overload Protection	Line Mode	>110%, then Buzzer Alarm and Amber LED Blink Continuously.					
		Battery Mode	110% - 150% for 30 sec; >150% for 200ms, thenUPS Shuts Down					
	Short Circuit Protection	Line Mode	Circuit Breaker					
		Battery Mode	Electronic Circuit					
DC Start	Cold Start		Yes					
Transfer Time	Typical		< 8 ms.					
Battery	Batery Voltage		12 Vdc	24 Vdc			48 Vdc	
	Backup Time		Depends on batteries connected (Max Batter capacity recommended 400 to 600 AH)					
	Recharging Current		>40A	>50A			>60A	
Control Panel	LCD Display		UPS status, I/P&O/P Voltage Frequency, Load Level Battery Voltage & Level, Temperature, Model					
	LED Display		Normal (Green), Warning (Amber), Fault (Red)					
Audible Alarm	Battery Mode		Beeping every 4 seconds					
	Low Battery		Beeping every second					
	UPS Fault		Beeping Continuously					
	Overload		Beeping twice per second					
Parameter Re-settable			Voltage, Frequency, 5 steps Charge current					
Environment	Operation Temperature		0-40 degree C; 32-104 degree F					
	Relative Humidity		0-95% non-condensing					
	Audible Noise		Less than 55dBA (at 1M)					
Physical	Wall Mounted Type (W*H*D) mm		298*400*150	298*450*190	298*450*190	415*600*260	415*600*260	415*600*260
	Wall Mounted Type Net Weight (Kgs)		14.8	23.0	24.2	49.2	51.4	53.6
Safety Conformance	Safety Standard		EN62040-1-1					
	EMC		EN62040-2					
	Marks		CE, cUL, UL					
Solar Charger	Separate port for solar power input		For all models					
	Battery Voltage		12V(1.2kVA)	24V (2.4kVA / 3.6 kVA / 5.0 kVA)			48V (6.0 kVA /8.0 kVA)	
	Charging Voltage		13.8V	27.7V			55.2V	
	Solar Maximum Peak Voltage		22.0V	45.0V			100V	
	Solar Charging Working Voltage		11.7V±0.5V	23.5V±1V			44V±3V	
	Maximum Charging Current		50A	50A			50A	
	Polarity Protection		YES	YES			YES	
	Backflow Protection		YES	YES			YES	

swelect
ENERGY SYSTEMS LIMITED

Authorised Dealer
Vel Power Ventures

MNRE CRISIL GRADE SP 1A

Accredited as Channel Partner for Off-grid and Decentralized Solar PV Applications under JNNSM by MNRE
Empanelled as Energy Service Company with Bureau of Energy Efficiency (BEE)


RESCO


ESCO


ISA TECHNOVATION


TRAILBLAZER


No.1 Solar Solution


SD Award 2012 for

Contact
9840876414