



PERFECT POWER PROTECTION FOR ALL POWER DEFICIENT EQUIPMENT

EMPOWER

HOME POWER SYSTEM



EMPOWER Yourself!

Radically changing the way we look at inverters for home use, Systek has come up with an entirely new dimension in their outlook and demeanour. Not to belittle the technical aspects, Systek has endeavoured to make them highly efficient with extremely useful features, yet very robust to provide reliable service year after year.

With Systek EMPOWER Series Home Power Systems, begins a new era of energizing your homes during the worst of power conditions to provide you the peace of mind that seemed far from possible in the past. Systek EMPOWER Series, true to its name, EMPOWERS YOU to be in total control of your life, come what may!

Features

- ▶ Uninterruptible Power
- ▶ Maintenance Free
- ▶ Fully Automatic
- ▶ Highly Efficient
- ▶ Sine-wave Output
- ▶ Built-in Stabilizer
- ▶ Over / Under Voltage Protection
- ▶ Long-duration Backup
- ▶ Boost Charger
- ▶ Controlled Charging
- ▶ Overload Circuit breaker
- ▶ Short-circuit Protection
- ▶ Reverse-battery Protection
- ▶ Cold-start Capability
- ▶ Compressor-load Capability
- ▶ Compact Styling
- ▶ Swedish Outlook Design
- ▶ Vibrant Colours
- ▶ Noiseless Function
- ▶ Safe Operation
- ▶ Comprehensive Protection

SPECIFICATIONS

MODELS	EMP-404	EMP-505	EMP-506	EMP-707	EMP-1111
Power Rating (VA)	800	1000	1000	1600	2000
Topology	Line Interactive				
Output Voltage	220 V AC (Nominal), Single Phase				
Output Waveform	Sine-wave PWM, synchronized to Utility Mains				
Frequency	50 Hz				
Efficiency	90%				
Input Voltage	150 – 270 V AC				
Batteries (Nos.x V)	1 x 12	1 x 12	2 x 12	2 x 12	2 x 12
Boost Charge	25 A (Max.)		15 A (Max.)		
Charger Type	Tri-mode, Constant Current Constant Voltage (CCCV), Temperature Compensated				
Protections	Under-voltage, Over-voltage, Over-discharge, Over-load, Short-circuit, Reverse-battery				
Status Indications	On-mains, On-battery, Faulty Input Voltage, Charging/Discharging Rate, Trip				
Ambient Temperature	45° C (for 80% load)				
Relative Humidity	95% Non-condensing (Max.)				

COMPREHENSIVE WARRANTY

HIGH EFFICIENCY
SILICON STEEL TRANSFORMER
99.99% PURE COPPER WINDING

MODELS	USAGE		HOURS		
	EMP-404	EMP-505	EMP-506	EMP-707	EMP-1111
BATTERIES (Nos.x Ah)	1 x 100	1 x 200	2 x 100	2 x 100	2 x 200
2 Fans + 2 Energy Savers	3.5 - 4.0	10.0 - 11.0	10.0 - 11.0	10.0 - 11.0	20.0 - 22.0
3 Fans + 3 Energy Savers	2.0 - 2.5	5.5 - 6.0	5.5 - 6.0	5.5 - 6.0	13.0 - 14.0
4 Fans + 4 Energy Savers	1.0 - 1.5	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0	10.0 - 11.0
5 Fans + 5 Energy Savers		2.5 - 3.0	2.5 - 3.0	2.5 - 3.0	7.0 - 8.0
7 Fans + 7 Energy Savers				1.5 - 2.0	4.0 - 4.5
9 Fans + 9 Energy Savers				1.0 - 1.5	3.0 - 3.5
11 Fans + 11 Energy Savers					2.0 - 2.5

NOTE : ▶ Back-up times have been calculated considering power consumption of 80 W by fans and 18 W by energy-savers. These back-up times are only indicative and may vary depending upon the type and quality of batteries used.

▶ Specifications are subject to change without notice.

"We also provide many other Innovative Power Solutions, from a Large Range of UPS Systems to High Frequency Inverters, from AVR Systems to Solid-state Line Conditioners, from MPPT Charge Controllers to Solar Hybrid Systems, from Power Supplies to DC-DC Converters, etc."