



Uninterruptible Power Supply

# PURE SINE WAVE With STABILIZER LineInteractive UPS

## PROTECH-2000

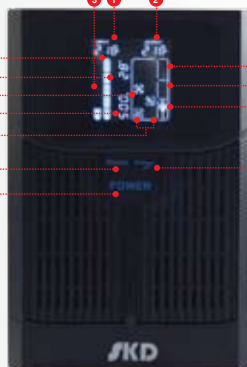
Protech series line interactive UPS with CPU control, pure sine wave output, wide input voltage, automatic voltage regulator, quick transfer time and the charging current is optional. The long back up time models can be connected to external battery as per user's requirement of unlimited back up time.



### Features

- ◆ LCD display
- ◆ Pure sine wave output
- ◆ Microprocessor - based digital control
- ◆ Boost and buck AVR for voltage stabilization
- ◆ Frequency adaptive
- ◆ Humanized alarm system
- ◆ Automatically diagnose when starts
- ◆ Cold start
- ◆ Intelligent battery management
- ◆ Output overload and short circuit protection
- ◆ Automatically charging battery at UPS off mode
- ◆ Intelligent monitoring USB
- ◆ Battery sealed lead acid maintenance free (VRLA)

Front panel :



1. AC Input Voltage / Input frequency
2. Output Voltage / UPS's internal temperature
3. Battery Capacity
4. Load Level
5. UPS is working in battery mode
6. UPS is working in AC mode
7. Fan Failure
8. UPS will alarm in DC mode
9. Charging current mode
10. Turn on / Turn off / Silence function
11. Choosing the charging current
12. "OK" button for confirming the charging current

Rear panel :



OUTPUT SOCKET



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โทร. 1291-2553(เส้น1)  
โทร. 1291-2553(เส้น2)  
โทร. 1291-2553(เส้น3)

**S** pecifications

Model Protech-2000

Capacity	2000VA
Real power Rating	1200W
Display	
LCD display	On Line,On Battery,Input/Output Voltage,Battery Capacity,Load Level,Fan Failure,Frequency
<b>AC Mode</b>	
Input voltage	220VAC $\pm$ 25%
Input frequency	50/60 Hz Same as AC
Output voltage	200-240VAC
Efficiency	$\geq$ 96% (AC Mode)
Short Circuit	Breaker
<b>Inverter Mode</b>	
Output voltage	220VAC $\pm$ 5%
Output frequency	50/60 $\pm$ 0.1% Hz (Auto detection)
Output P.F	0.6
Output wave form	Pure sine wave
Transfer time	2-4 ms/Typical
Efficiency	$\geq$ 80% (INV Mode)
Overload capability	110% Shut down within 60 sec./120% Shut down within 5 sec.
Short Circuit	$\geq$ 20 ms System shut down automatically
<b>BATTERY</b>	
Battery model	Sealed maintenance-free lead-acid batteries
DC voltage	DC 24V
Standard configuration	12V9AH x 2
Back-up Time	5 mins(full load)
Charging current	2-5 A
Charging period	6-8 hours recover to 90% capacity
<b>FUNCTION</b>	
Lightning/Surge Protection	Yes
Data Line Protection	RJ-45
Noise Protection	Yes
Communication Potr	USB
Outlets	3+1 Sockets universal type
<b>PHYSICAL</b>	
Net weight (kg)	26
Dimension (mm)	405*145*220
Environment	Temperature 0°C-40°C / Humidity 20%-90%
Noise level	$\leq$ 40 db (1m)
Altitude	$\leq$ 3500 m
<b>WARRANTY</b>	
Warranty	2 Years

\* All specifications subject to change without notice.

\* Custom-made specifications are acceptable