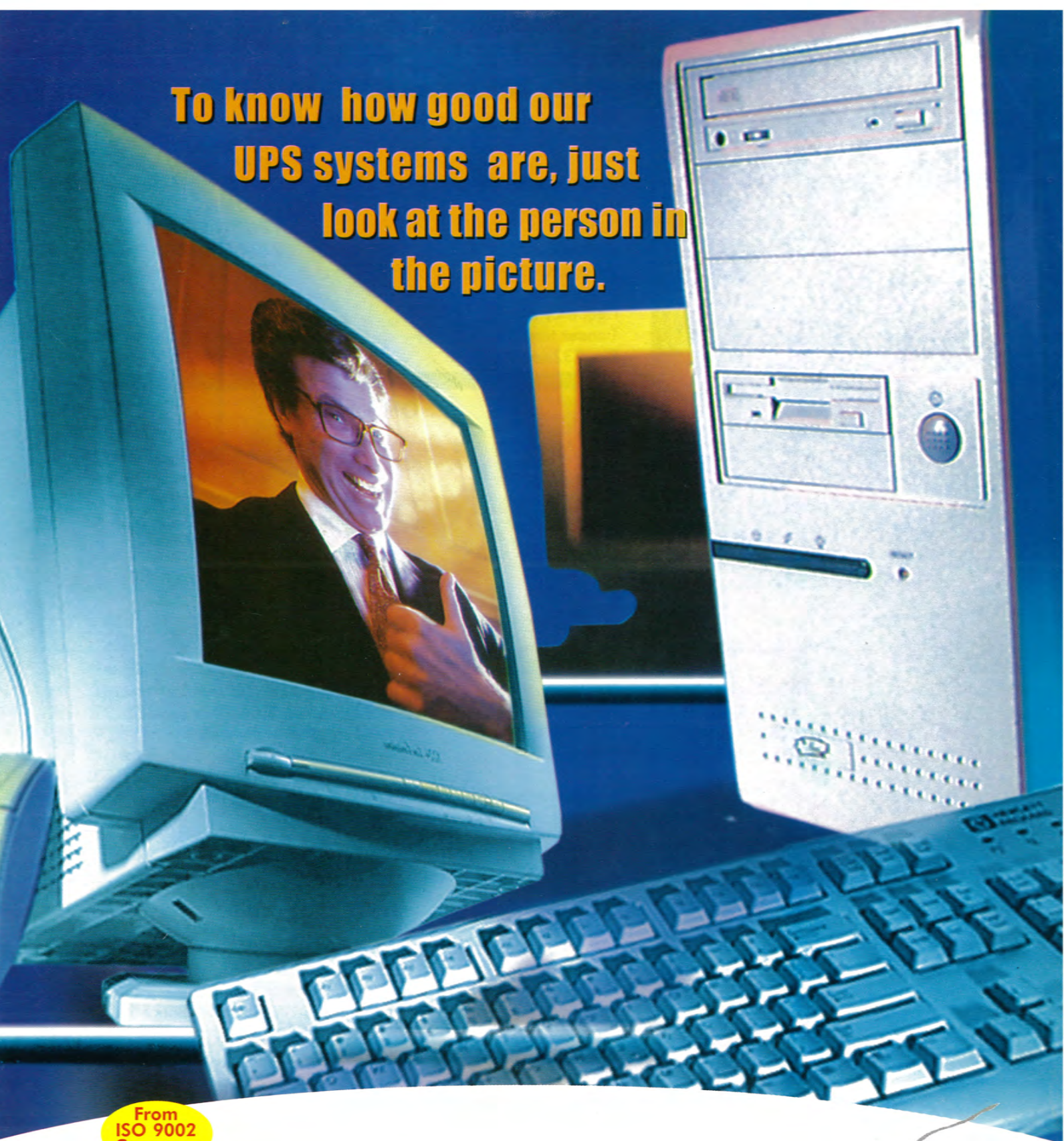


To know how good our  
UPS systems are, just  
look at the person in  
the picture.



From  
ISO 9002  
Company



## Servel UPS SYSTEMS

Introducing top of the line UPS systems from Servel -  
With optional RS 232 serial port for computer interfacing. It comes  
to you with latest technology, and design which is crafted for  
ruggedness, reliability and long trouble free service.

Available in various ranges with both-internal & external battery  
configurations. Also available with or without computer interface.





## SALIENT FEATURES

- ✓ Micro processor based controls
- ✓ PWM Based
- ✓ MOSFET Technology
- ✓ Line Interactive
- ✓ Built-in AVR
- ✓ Optional RS 232 serial port for computer interfacing
- ✓ Transfer time < 3 m secs
- ✓ Efficiency > 92%
- ✓ Models with Internal/External Batteries
- ✓ Changes over to inverter mode at voltages higher than 280V & less than 140V
- ✓ Compact
- ✓ One single PCB with connectors ensures quick replacement and near zero down time
- ✓ UPS automatically gets disabled if the load is removed or switched off to conserve battery power.



## SPECIFICATIONS

### OFF-LINE UPS

Rating	:	500VA/625VA/750VA/ 1KVA/ 1.2KVA/1.5KVA
Load Power Factor	:	0.7 Lagging to unity.
Input Voltage Mains	:	140-280V
Battery	:	12V/24V DC
Output (On mains)	:	210-245V AC
Voltage (On inverter)	:	230 ± 21
Wave shape on inverter	:	Quasi sine wave
Frequency (Inverter mode)	:	50Hz + 1%
Transfer time	:	< 3m secs
RS - 232 serial port	:	Optional

### ON-LINE UPS

Power Rating	:	1) 2KVA, Single phase 2) 3KVA, Single phase 3) 5KVA, Single phase
Frequency	:	50Hz + 6%
Rectifier	:	Automatic float cum boost charger Constant voltage constant current type
Nominal DC Voltage	:	120V
Back-up Time	:	1/2 hours or as desired
Output Voltage	:	220/230 Volts + 1% Single phase
Frequency	:	50Hz + 0.5% (as per requirement)
Inverter Efficiency	:	More than 85%
Wave Form	:	Sinusoidal (sine-wave)
Distortion	:	Max. 5% THD with no single har- monic more than 3% for linear loads
Transient Voltage Response	:	+8% under steep load change from 10% to 100%
Transient Recovery	:	Within 3 to 5 cycles
Load Power Factor	:	0.65 lag to unity
Over Load Capacity	:	120% for 30 min./150% for 10 sec.
Crest Factor	:	Better than 2.5
Control Method	:	Sinusoidal PWM control
Switching Frequency	:	20KHz PWM with MOSFET
Circuit Method	:	On line PWM UPS, zero transfer time
Humidity	:	95% RH max. (non condensing)
Audible Noise	:	Less than 40 db at a distance of 1.5 meters
Cooling	:	Forced air cooling

Note: Due to continuous innovation and upgradation of the product, the specifications may undergo change without notice.



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