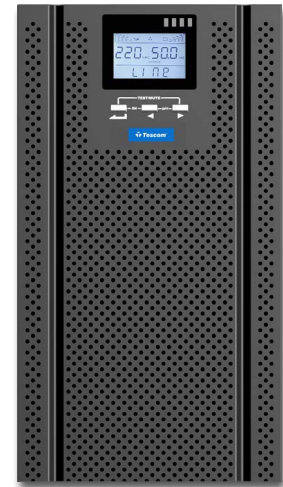


# PRIME PRO

## 6-10kVA ONLINE UPS

Smart single-phase ON-LINE UPS with advanced DSP and 3-level technology, full digital control, zero transfer time, pure sine wave output and high efficiency with Power Factor = 1. The Prime Pro series provide excellent protection in installations with critical loads, by eliminating all electrical disturbances and power cuts. It is the ideal solution for the protection of servers, computer applications, security equipment, medical and laboratory equipment and lightweight industrial applications.



*1 phase in / 1 phase out*

### ENHANCED POWER PROTECTION



TELECOM



SERVERS



RACK  
SERVERS



LIGHT  
INDUSTRY



SECURITY



OFFICE  
COMPUTERS



NAVAL  
ELECTRONICS



MEDICAL  
APPLICATIONS

## GENERAL SPECIFICATIONS

- Online – Double conversion UPS
- Advanced DSP and 3-level technology
- Output power factor 1.0
- Active power factor correction (APFC), input power factor up to 0.99
- High efficiency 95% (up to 98% in ECO mode)
- Advanced digital parallel technology up to 4 Units
- Wide input voltage range (110 ~ 288 Vac) and frequency range (40 ~ 70 Hz)
- 50 / 60 Hz frequency auto sensing
- Two modes of frequency conversion: 50 Hz input / 60 Hz output or 60 Hz input / 50 Hz output
- Dual-input design, supporting independent bypass
- Flexible battery configuration (16 - 20 pcs)
- Digitally controlled charger
- Configurable charging voltage and current
- Linear derating in low voltage input reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic floating / equalizing charging control, charger dormancy control, increasing battery life by 50%
- Cold startup when the utility power is out
- Configurable delayed start time when mains power is restored, reducing the impact on power grid or generator
- Intelligent fan speed configuration in order to reduce noise and extend its service life
- Compact design with small footprint
- EPO (Emergency Power Off)
- Includes software for UPS monitoring for Windows

# PRIME PRO

ONLINE UPS 1 phase in / 1 phase out 6 - 10 kVA



MODEL	Prime Pro 6kVA		Prime Pro 10kVA	
<b>Capacity</b>	6 kVA / 6000 W		10 kVA / 10000 W	
<b>INPUT</b>				
Input wiring	Single-phase three-wire (1Φ + N + PE)			
Rated voltage	208 / 220 / 230 / 240 Vac			
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 288 Vac (no derating)			
Rated frequency	50 / 60 Hz (auto-sensing)			
Frequency range	40 ~ 70 Hz			
Power factor	≥ 0.99			
Bypass voltage range	(- 40%, +15%) (settable)			
Total harmonic distortion (THDi)	≤ 4%			
<b>OUTPUT</b>				
Output wiring	Single-phase three-wire (1Φ + N + PE)			
Rated voltage	208 (PF=0.9) / 220 / 230 / 240 Vac			
Voltage regulation	± 1%			
Frequency	Synchronized to bypass in mains mode; 50 / 60 Hz ± 0.1% Hz in battery mode			
Waveform	Sinusoidal			
Power factor	1			
Total harmonic distortion (THDv)	≤ 1% (linear load); ≤ 4% (non-linear load)			
Crest factor	3:1			
Overload	105% ~ 110% for 10 min, 110% ~ 125% for 1 min, 126% ~ 150% for 30 s			
<b>BATTERIES</b>				
DC voltage	192 Vdc (192 ~ 240 Vdc settable)			
Number of battery	16 - 20			
Inbuilt battery (standard model)	12 V / 7 Ah × 16	12 V / 9 Ah × 20	12 V / 9 Ah × 16	12 V / Ah × 20
Charging current	1 A			
Recharge time	Standard model: 90% capacity restored in 8 hours			
<b>SYSTEM</b>				
Efficiency	≥ 94% at 100% load, max. 95% at 60% load, ≥ 98% in ECO mode			
Transfer time	0 ms			
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure			
Max. number of parallel connections	4			
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP / battery temperature compensation (optional)			
Display	LCD + LED			
<b>OTHER SPECS</b>				
Operating temperature	0°C ~ 40°C			
Storage temperature	(-25, 55)°C (without batteries)			
Relative humidity	0 ~ 95% (non-condensing)			
Altitude	≤ 1000 m, derating 1% for each additional 100 m			
IP rating	IP 20			
Noise level at 1m	≤ 55 dB		≤ 58 dB	
Dimensions (W × D × H) (mm)	191 × 465 × 711		191 × 495 × 711	
Packaging dimensions (W × D × H) (mm)	310 × 654 × 941		310 × 685 × 941	
Net weight (kg)	53	68	62	72
Gross weight (kg)	61	77	70	81

Product specifications are subject to change without further notice