

PRODUCT SPECIFICATIONS	REF. No.: FA8400-6000-01
PRODUCT SERIES : TwinGuard MODEL No. : TG1000	No OF PAGE(S):
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INPUT

Nominal Voltage	: 220Vac (RMS)
Voltage Range	: 165 ~ 265Vac \pm 7Vrms
Nominal Frequency	: 50Hz
Line Low Detection / Comeback	: 165Vac \pm 7Vrms / 175Vac \pm 7Vrms
Line High Detection / Comeback	: 265Vac \pm 7Vrms / 255Vac \pm 7Vrms
Nominal RMS Current	: 4.8A (6.3Amax.)
Protection	: 6.3A AC Fuse
Connection	: Attached power cord with NEMA plug

OUTPUT

Power Capacity	: 1000VA / 600W
Power Factor	: 0.6
Voltage	: Line mode: Same as Input Battery mode: 220Vac \pm 10% (rms)
Waveform	: Line mode: Same as Input Battery mode: Step wave
Frequency	: Line mode: Same as Input Battery mode: 50Hz \pm 1Hz
Load Transient Response	: \leq 150ms (100% RCD load)
Efficiency	: \geq 90% (Line mode)
Overload Capability	: Line mode: 120% \pm 15% - warning for 5 min. then output cut off; 140% \pm 15% - warning and output cut off immediately Battery mode: 120% \pm 15% - warning for 10 Sec. then output cut off; 140% \pm 15% - warning and output cut off immediately
Short-Circuit Protection	: Line mode: 6.3A Fuse Battery mode: \leq 3 cycles
Connection	: 3 pieces of NEMA 5-15 receptacle

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BATTERY

Type	: Sealed, Maintenance Free, Lead-Acid (PANASONIC)
Rating	: 12V7.0Ah
Quantity	: 2 pieces
DC Voltage	: 24Vdc
Backup Time	: ≥ 7 minutes (Half load) ≥ 2 minutes (Full load)
Pre-alarm level	: 22Vdc ± 1.5 Vdc
Floating Charging Voltage	: 27.4Vdc ± 1 Vdc
Recharge Time	: 10 Hours max.
Protection	: Fast-acting Fuse
Deep discharge prevention	: Maximum 30-minute backup time
Leakage Current (Power Off)	: 0.5mA Maximum

INTERFACE

Control Panel	: Power On/Off button
Indicators	: Red/Green LED display indicating UPS status: Line mode, Battery mode, Battery low, Overload, Fault
Audible Alarm	: Battery mode, Battery low, Overload, Fault

TRANSFER TIME

Line mode \rightarrow Battery mode	: 10 ms max.
Battery mode \rightarrow Line mode	: 10 ms max.

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ENVIRONMENTAL

Operating Temperature	: 0 ~ 40°C
Storage Temperature	: -15°C ~ 50°C
Operating Humidity	: 20% ~ 90%, Non-condensing
Storage Humidity	: 10% ~ 90%

STANDARD & SAFETY

Audible Noise	: 45dB max. (Buzzer not included)
Withstanding Voltage	: 2200Vdc (\leq 5mA, 3 Sec.)
EMC	: IEC 1000-4-2 (ESD), Level-2 IEC 1000-4-4 (EFT), Level-4 IEC 1000-4-5 (Lightning Surge), Level 4
EMI	: EN55022 Class A

MECHANICAL FEATURES

Unit	
Dimensions: W x D x H (mm)	: 91 x 280 x 238 mm
Weight (Kg)	: 6.5 Kg
Packaging	
Dimensions: W x D x H (mm)	: 176 x 375 x 340 mm
Weight (Kg)	: 7 Kg
Shipping	
Quantity	: 4 sets each carton
Dimensions: W x H x D (mm)	: 765 x 360 x 375 mm
Weight (Kg)	: 28 kg

Specifications are subject to change without notice.