

<b>PRODUCT SPECIFICATIONS</b>	REF. No.: FA8400-6000-01
PRODUCT SERIES : TwinGuard MODEL No. : TG500	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	: 2.5A (5Amax.)
Protection	: 5A AC Fuse
Connection	: Attached power cord with NEMA plug

### **OUTPUT**

Power Capacity	: 500VA / 300W
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: 5A Fuse Battery mode: $\leq$ 3 cycles
Connection	: 2 pieces of NEMA 5-15 receptacle

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### **BATTERY**

Type	: Sealed, Maintenance Free, Lead-Acid (PANASONIC)
Rating	: 12V7.0Ah
Quantity	: 1 pieces
DC Voltage	: 12Vdc
Backup Time	: $\geq 7$ minutes (Half load) $\geq 2$ minutes (Full load)
Pre-alarm level	: 11Vdc $\pm 1.5$ Vdc
Floating Charging Voltage	: 13.7Vdc $\pm 1$ 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)	: 80 x 230 x 176 mm
Weight (Kg)	: 3.1 Kg
Packaging	
Dimensions: W x D x H (mm)	: 126 x 285 x 224 mm
Weight (Kg)	: 3.3 Kg
Shipping	
Quantity	: 6 sets each carton
Dimensions: W x H x D (mm)	: 300 x 470 x 400 mm
Weight (Kg)	: 20.5 kg

Specifications are subject to change without notice.