

Smart Sine wave Long-backup series

MODEL	EPII-5000E		
CAPACITY	5000VA		
Continuous Loading	2100W ~ 3500W ※		
Max. Loading	5500W (< 30 sec.)		
INPUT Voltage	Selectable 200/220/230/240V 1ø (200V ~ 240V only)		
Frequency	50Hz/60Hz Auto detect		
Current (220V)	30A (220V)		
OUTPUT Voltage	200/220/230/240V 1ø ±3% for Back-up Mode		
Frequency	< ±5% or 8% for AVR		
Wave Form	50Hz or 60Hz ± 0.1Hz		
Current (220V)	Pure Sine Wave		
TRANSFER TIME	25A (220V)		
BATTERY Voltage	3.5 ms typically		
Level Ind.	72V		
Protection for reverse battery polarity	YES		
CHARGE Voltage	YES		
Maximum Current	81.90V		
LED / ALARM INDICATION	<u>LED</u>	<u>Alarm</u>	
Normal city power	GRN Lighting	No beep	
Back up Mode	ORG Flashing	B-B----B-B---- (2 beeps/4sec.)	
Abnormal Freq. of City power (Frequency > 65Hz or < 47Hz)	ORG Flashing (quick)	B-B----B-B---- (2 beeps/4sec.) (Transfer to backup mode)	
Abnormal Voltage of City power (Out of AVR range)	ORG Flashing (slow)	B-B----B-B---- (2beeps/4sec.) (Transfer to backup mode)	
Low Battery Alarm	ORG Flashing	B-B-B-B-B-B----- (4 beeps/sec.)	
Battery Fail Alarm	RED Flashing	B · B · B · B · B · B · B · B · · (8beeps/sec.)	
Over load Alarm	RED Lighting	B..... (continuously)	
Thermal Alarm	RED Flashing	G · · · · · R · · · · · (G = 32beeps/2sec. R = silence / 2sec.)	
LOAD LEVEL INDICATION	YES		
DC START / ALARM RESET	YES		
RS-232 INTERFACE	YES		
ENVIRONMENT TEMP.	0 - 40 °C		
ENVIRONMENT HUMIDITY	30-95% Non-Condensing		
DIMENSIONS (L x H x W)	51 x 18 x 20 (cm)		
SHIPPING DIM. (L x H x W)	61 x 30 x 33 (cm)		
WEIGHT (N.W. / G.W.) kgs	31 / 33 (kgs)		

※ Note:

- The 3500W is not for continuous loading in **backup mode**, when a black out happens, the 3500W loading may cause transformer to be over heated in 20 minutes; thus we use a 135°C thermal switch to protect transformer from over heated. When UPS emits thermal alarm, it means the UPS will shut down in 2 or 3 minutes for protecting UPS, and user should reduce the load to 2100W (60% of full load) or less, or the UPS may shut down any time.
- If to reduce loading is impossible, please refer to following table for suggested battery type under different average loading:

Averaged loading under battery mode	3300W	2700W	2300W	2100W or less
Maximum battery capacity	50Ah	65Ah	100Ah	No limit