

# Manual Supplement

Manual Title: 345 Users  
Part Number: 2560401  
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This supplement contains information necessary to ensure the accuracy of the above manual.

## Change #1

On page 15, under **Voltage Measuring Input**, replace the first sentence with the following:

The maximum input voltage for over-voltage category CAT IV may not exceed 600 V to earth ground.

## Change #2

On page 25, under **Balanced Three-Phase Power Measurement Connection**, replace:

Current is measured on one phase and the two voltages are measured on the remaining phase.

With:

Current is measured on one phase and the phase-to-phase voltage is measured on the remaining lines.

On page 55, remove the screen shot and replace with the following:

Power 1 phase			2006-03-29, 09:32
		50.0 Hz	
kW	kVA	kVAR	
2.34	4.62	3.98	
V rms	A rms	PF	
230.0	20.06	0.507	



## Change #3

On page 2, under **Warnings**, add:

- Measure a known voltage to verify product operation.

## Change #4, 63545

On page 1, add the following to the **Symbols** table:

	Conforms to relevant South Korean EMC Standards.
	Conforms to CAN/CSA-C22.2 No. 61010-1, second edition, including Amendment 1.

## Change #5, 65704

On page 11, under **General Data**:

Change: Battery Eliminator BE345  
 Input.....110V / 230V, 50/60 Hz  
 Output....15 V dc, 300 mA

To: Battery Eliminator GFP151DA-120125B-1  
 Input.....100 V to 240 V, 50/60 Hz, 0.36 A  
 Output....12 V dc, 1.25 A

On page 12, in the *Note*:

Change: BE345  
 To: GFP151DA-120125B-1

On page 15, remove the entire **Power Adapter and USB Connection** section.

On page 16, under the **Warning** remove the second bullet and in bullets one and three:

Change: BE345  
 To: GFP151DA-120125B-1

On page 19, following the **Warning** in paragraphs two and three:

Change: BE345  
 To: GFP151DA-120125B-1

## Change #6, 66326

On page 1, Table 1, replace **CAT** with:

<b>CAT IV</b>	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
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On page 11, replace **Electrical Safety** and **EMC** sections with:

### *General Specifications*

Maximum working voltage in CAT IV areas:

Current measurement: ..... 600 V ac rms or dc between conductor & ground

Voltage measurement..... 600 V ac rms or dc between either input terminal and ground, or 825 V between energized phase voltages (delta power config.)

Maximum working voltage in CAT III areas .... 825 V ac rms or dc between either input terminal and ground

**Safety**..... IEC 61010-1: 600 V CAT IV, Pollution Degree 2

**IP Rating**..... IEC 60529: IP40

**Electromagnetic Environment** ..... IEC 61326-1: Portable

**Electromagnetic Compatibility**..... Applies to use in Korea only. Class A Equipment (Industrial Broadcasting & Communication Equipment) <sup>[1]</sup>

[1] This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and is not to be used in homes.

## Change #7, 564

On page 19, following the 2<sup>nd</sup> paragraph after the Warning, add:

When using the external power supply, ensure that the earth ground on the plug is properly grounded, regardless of plug type.