

17VX50A



Features:	Specification:
1 High efficiency, high reliability 2 Complies with FCC part 15 subpart J class B 115VAC operation and CISPR 22 3 Complies with UL1950, CSA C22.2 LEVEL3 IEC 950, VDE 0805, NEMKO, CE, CCC 4 Output over voltage protection 5 Short circuit protection on all output 6 MTBF above 30,000 hrs, at 40°C 7 100% Hi-pot and ATE tested 8 100% burn-In under high ambient temp(50°C)	1 Temperature Range: Operating 0°C-40°C 2 Storage & shipping -15°C-65°C 3 Temperature Coefficient: 0.01%/°C 4 Transient Response: Output voltage returns in less than 1 ms max, at a 25% load change 5 Efficiency: 85% Min at full load 6 Hold-up Time: 16 mS minimum at full load & nominal Input voltage 7 Dielectric Withstand: 1800VAC 3S 8 Humidity: 5-95%

Input Characteristics

Input Rang: 90-132VAC/176-264VAC

Frequency: 47-63Hz

Output Characteristics

CV MODE: Charge voltage: 17V+/-0.5V

Line Regulation: +/-1%,

Load Regulation: +/-1%

Ripple&Noise: 200mV MAX

CC MODE: Charge current: 50A+/- 2A

Line Regulation: +/-1%,

Load Regulation: +/-1%

Ripple current: 200mA MAX

Charge methods:

During the charging ,the battery management system will first check the polarity and voltage of each cell, if the voltage of any cell above 4.3V, the system will send a OV signal to charger, the charge voltage will step down.0.5V

every 3 S. If the voltage reach to 14.6V , the voltage of cell is still above 4.3V,the system will send ON/OFF signal to turn of the charger. If there is no OV signal, the charge voltage will step up 0.5V every 3 S until reach to 17V.

If the voltage of each cell below 2V , the system will send a UV signal ,the charge current will change to small value 3.5A.

Protection: UV,OV,OT protection. Output signal: Fault signal, Charge complete signal, ON/OFF signal.

Display: Charge voltage and current, Charging time. (LED or LCD) Option.

Size: 450X300X90mm