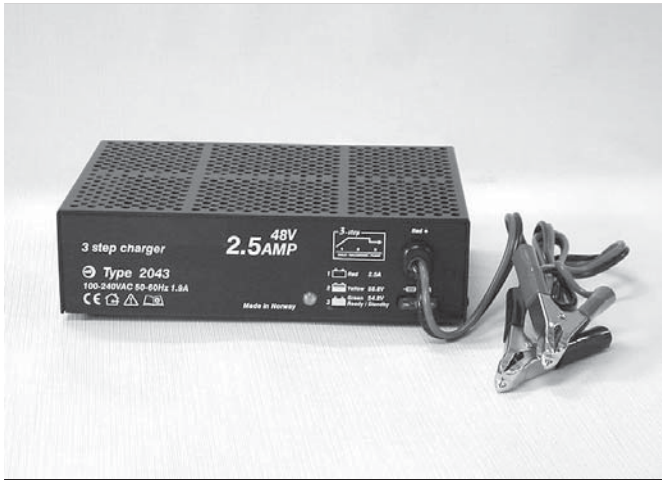


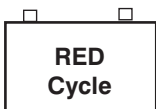
# 2043 - 2044 SERIES

## Battery Chargers: 120 - 240 Watts



### Features

- 3-step charge control with timer
- Universal input: 100~240 VAC (2043 Series)
- Power factor corrected 0.99 (2043 Series)
- Charge current not affected by input voltage fluctuations
- Protected against reverse polarity
- LED indicators with three different colours
- Safety approvals EN60335-2-29, AS3260 pending
- EMC approved, CE marked
- Leads with battery clips
- Field proven reliability
- 3 pin IEC320 input connector with mains cord



### Specifications

<b>INPUT VOLTAGE:</b>	90~240 VAC (2043 series) 190~264 VAC (2044 series)
<b>FREQUENCY:</b>	47~63Hz
<b>CHARGE VOLTAGE:</b>	14.7V for 12V systems 29.4V for 24V systems, 54.8V for 48V systems • Other voltages on request
<b>FLOAT VOLTAGE:</b>	13.8V for 12V systems 27.4V for 24V systems 54.8V for 48V systems
<b>POWER:</b>	Maximum 120 to 240 watts
<b>LOAD REGULATION:</b>	Typically <200mV
<b>LINE REGULATION:</b>	Typically <100mV
<b>SWITCHING FREQUENCY:</b>	60 / 70kHz (2043 / 2044 models)
<b>LEAKAGE CURRENT:</b>	Model dependent max 4mA
<b>OPERATING TEMPERATURE:</b>	-25°C to +40°C
<b>RIPPLE:</b>	<100mV pk-pk
<b>EFFICIENCY:</b>	82% at rated load and input
<b>CURRENT LIMITING:</b>	Yes refer to table
<b>INSULATION CLASS:</b>	Class I
<b>SAFETY STANDARD:</b>	EN60335-2-29, AS3260 pending
<b>EMC:</b>	Emission: EN50081-1 Immunity: EN50082-1, EN55014
<b>INDICATORS:</b>	RED = Constant current YELLOW = Constant voltage timer on GREEN = Constant voltage float mode
<b>TIMER:</b>	Typically 4 hours ±30min,
<b>IP CODE:</b>	IP20, PCB tropic coated
<b>DIMENSIONS:</b>	148 x 210 x 58mm 1.55kg
<b>OUTPUT TERMINALS:</b>	Battery clips

MODEL	V out		A	Rec Batt AH
	Cycle	Float		
2043 - 12	14.7V	13.7V	10A	40-400
2043 - 24	29.5V	27.4V	5A	20-200
2043 - 36	44.1V	40.8V	3.3A	15-150
2043 - 48	58.8V	54.8V	2.5A	10-100
2044 - 12	14.7V	13.8V	20A	100-1000
2044 - 24	29.5V	27.4V	10A	50-500

### Charging Diagram

