



## Third Element - Travelcharger

### CHARGER DATASHEET:

#### DIMENSIONS:

Width	100.00 mm
Length	184.40 mm
Height	50.00 mm
Weight	900 g



#### GENERAL:

Nominal Operational Voltage	48 V
Cell Chemistry Type:	Li-NCM
Charging Profile Type	CCCV
ON/OFF Power Switch	Yes
Recommended Battery Capacity	6 – 40 Ah
Warranty	2 years

#### TECHNICAL SPECIFICATION:

<b>OUTPUT:</b>	Nominal Operational Voltage	48 V
	Boost Charge Voltage	57.4 V
	Maximum Charging Current	5 A (End = I < 300 mA)
	Charging End Current	I < 300 mA
	Maximum Rated Power	240 W
<b>INPUT:</b>	Voltage Range	90 – 264 VAC
	Frequency Range	47 – 63 Hz
	Efficiency	80 %
	AC Current	3A/90VAC or 5A/230VAC
<b>ENVIRONMENTAL PARAMETERS:</b>	Operational Temperature	-5 - +40 ° Celsius
	Working Humidity	5 – 95 %
	Storage Temperature / Humidity	-40 to +85 °C / 5 – 95 %
	Vibration and Shock Tolerance	10 – 500 Hz, 2G X,Y,Z axes
	Dust and Water Proof Rating	IP22
<b>ELECTRICAL PROTECTION:</b>	Overload	90 – 110 % rated output
	Overvoltage	59 – 64 V
	Cooling	Active Fan Cooling T < +40 °C
	Temperature Monitoring	NTC
	Over Current Protection	Non-resettable Fuse

#### ADDITIONAL INFORMATION:

<b>FUNCTIONS:</b>	• 2 stage charging characteristic		
	• Universal AC input / full range		
	• Protection: short circuit / overload / over voltage / over temp.		
	• Built in cooling fan		
	• 2 colour LED charging Indicator		
<b>CERTIFICATION:</b>	• RE	CLASS B	EN55014/EN55014
	• CE	CLASS B	EN55014/EN55014
	• Air discharge	LEVEL 3	EN61000-4-2(discrimination B)
	• Contact discharge	LEVEL 3	EN61000-4-2(discrimination B)
	• RS	LEVEL 3	EN61000-4-3(discrimination A)
	• CS	LEVEL 3	EN61000-4-6(discrimination A)
	• EFT	LEVEL 3	EN61000-4-4 (discrimination B)
	• Surge	LEVEL 3	EN61000-4-5, differential KV,