Li-Ion / Polymer Battery Chargers: 2...8 cells, 40W
115-040-430 PlugTop series

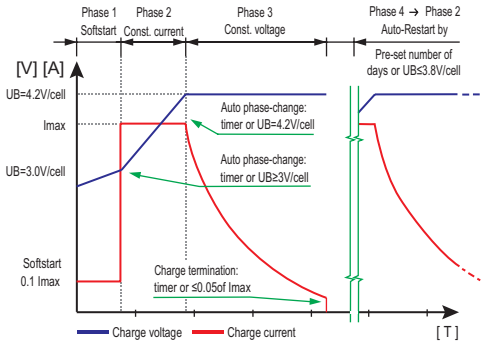
- **With a multi-phase, user-configurable charge profile: being in complete agreement with very demanding battery specs**

Access to the charger's micro controller, via an external interface device and the charge terminals, will enable the authoized vendor or end user to custom-build his own, distinctive charge profile - in strict alignment with the battery manufacturer's recommended specifications.
A windows based PC, displaying a dedicated parameter mask, will permit the construction of a charge profile, with up to 5 distinctive phases. Each phase, in turn, may either be assigned current-, voltage- and / or time thresholds and "AmpHour counting", these being the criteria for the change-over to the next phase, "Battery full" detection or auto restart.

Product Features:

- Soft start phase: if battery voltage < 3.0V/cell
- Voltage-, current-, or time settings: criteria for phase change
- Temp. gradient: charge current is temperature dependent
- Charge termination: current-, time or temp. threshold detection
- Auto restart criteria: days elapsed or volt. drop across battery

- External temperature sensor
- "Wake-up" function for battery in sleep-mode
- LED Indicators for charge status and error diagnostics
- Short circuit and reverse polarity protection
- Spark suppression at terminal connections



Technical Specifications

MEC Article Number	Number of cells	Max. charge current[A]
115-02452-430	2	4.5
115-03302-430	3	3.0
115-04252-430	4	2.5
115-05202-430	5	2.0
115-06152-430	6	1.5
115-07132-430	7	1.3
115-08122-430	8	1.2

AC-Input	Voltage	100-240V, wide-range
	Frequency	50/60Hz
	Mains plug	Country specific, molded to bottom
DC-Output	Power	Max. 40W
	Charge current, max.	4.5A @2 cells, 1.2A @8 cells
	Efficiency	>85%
	Ripple voltage	<1%
	Battery back-discharge current	<2mA (with mains disconnected)
Safety & EMC	Electrical safety standard	EN60950, EN60335.2.29, IEC60335.2.29, AS/NZ 3350.2.29
	EMC	EN55014-1/2, EN61000-6-3, EN61000-6-1
	Safety certificates	GS, CB, CE, AU
Dimensions / Weight	Size (LxWxH)	106*65*46mm, 295g

Li-Ion / Polymer Battery Chargers: 3...8 cells, 150W
165-150-430 FlatPack series

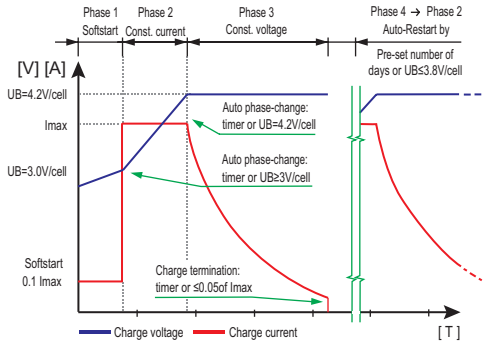
- **With a multi-phase, user-configurable charge profile: being in complete agreement with very demanding battery specs**

Access to the charger's micro controller, via an external interface device and the charge terminals, will enable the authoized vendor or end user to custom-build his own, distinctive charge profile - in strict alignment with the battery manufacturer's recommended specifications.
A windows based PC, displaying a dedicated parameter mask, will permit the construction of a charge profile, with up to 5 distinctive phases. Each phase, in turn, may either be assigned current-, voltage- and / or time thresholds and "AmpHour counting", these being the criteria for the change-over to the next phase, "Battery full" detection or auto restart.

Product Features:

- Soft start phase: if battery voltage < 3.0V/cell
- Voltage-, current-, or time settings: criteria for phase change
- Temp. gradient: charge current is temperature dependent
- Charge termination: current-, time or temp. threshold detection
- Auto restart criteria: days elapsed or volt. drop across battery

- External temperature sensor
- "Wake-up" function for battery in sleep-mode
- LED Indicators for charge status and error diagnostics
- Short circuit and reverse polarity protection
- Spark suppression at terminal connections



Technical Specifications

MEC Article Number	Number of cells	Max. charge current[A]
165-03113-430	3	11.0
165-04802-430	4	8.0
165-05702-430	5	7.0
165-06602-430	6	6.0
165-07502-430	7	5.0
165-08452-430	8	4.5

AC-Input	Voltage	100-240V, wide-range
	Frequency	50/60Hz
	Mains plug	IEC 320 Terminal, AC-cord with country specific plug
DC-Output	Power	Max. 150W
	Charge current, max.	12A @3 cells, 4.5A @8 cells
	Efficiency	>89%@230VAC
	Ripple voltage	<1%
	Battery back-discharge current	<4mA (with mains disconnected)
Safety & EMC	Electrical safety standard	EN60950, EN60335.2.29, IEC60335.2.29, AS/NZ 3350.2.29
	EMC	EN55014-1/2, EN61000-6-3, EN61000-6-1
	Safety certificates	GS, CB, CE, AU
Dimensions / Weight	Size (LxWxH)	180*110*36mm, 765g

Li-Ion / Polymer Battery Chargers: 3...8 cells, 300W
165-300-470 D-Pack series

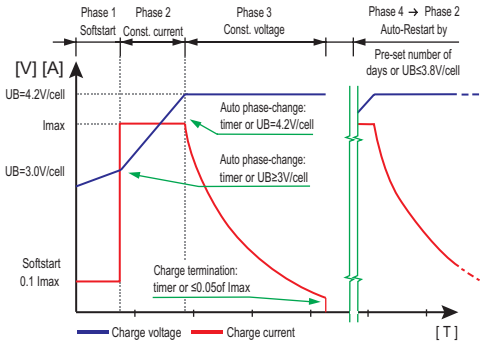
- **With a multi-phase, user-configurable charge profile: being in complete agreement with very demanding battery specs**

Access to the charger's micro controller, via an external interface device and the charge terminals, will enable the authoized vendor or end user to custom-build his own, distinctive charge profile - in strict alignment with the battery manufacturer's recommended specifications.
A windows based PC, displaying a dedicated parameter mask, will permit the construction of a charge profile, with up to 5 distinctive phases. Each phase, in turn, may either be assigned current-, voltage- and / or time thresholds and "AmpHour counting", these being the criteria for the change-over to the next phase, "Battery full" detection or auto restart.

Product Features:

- Soft start phase: if battery voltage < 3.0V/cell
- Voltage-, current-, or time settings: criteria for phase change
- Temp. gradient: charge current is temperature dependent
- Charge termination: current-, time or temp. threshold detection
- Auto restart criteria: days elapsed or volt. drop across battery

- External temperature sensor
- "Wake-up" function for battery in sleep-mode
- LED Indicators for charge status and error diagnostics
- Short circuit and reverse polarity protection
- Spark suppression at terminal connections



Technical Specifications

MEC Article Number	Number of cells	Max. charge current[A]
165-03253-470	3	25.0
165-04183-470	4	18.0
165-05143-470	5	14.0
165-06123-470	6	12.0
165-07103-470	7	10.0
165-08902-470	8	9.0

AC-Input	Voltage	100-240V, wide-range
	Frequency	50/60Hz
	Mains plug	IEC 320 Terminal, AC-cord with country specific plug
	Active Power Factor Correction(PFC)	0.99
DC-Output	Power	Max. 300W
	Charge current, max.	25A @3 cells, 9A @8 cells
	Efficiency	>87%@230VAC
	Ripple voltage	<1%
	Battery back-discharge current	<4mA (with mains disconnected)
Safety & EMC	Electrical safety standard	EN60950, EN60335.2.29, IEC60335.2.29, AS/NZ 3350.2.29
	EMC	EN55014-1/2, EN61000-6-3, EN61000-6-1
	Safety certificates	GS, CB, CE, AU
Dimensions / Weight	Size (LxWxH)	238*130*58mm, 1.6kg

Li-Ion / Polymer Battery Chargers: 5...16 cells, 750W

165-750-470 V-Pack series

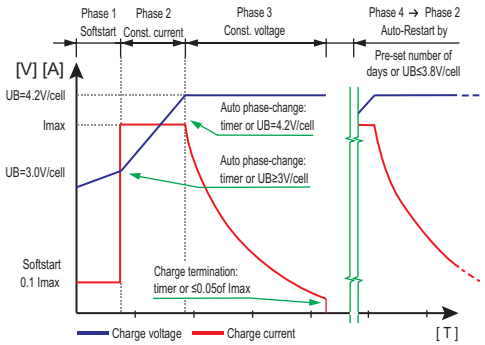
- **With a multi-phase, user-configurable charge profile: being in complete agreement with very demanding battery specs**

Access to the charger's micro controller, via an external interface device and the charge terminals, will enable the authoized vendor or end user to custom-build his own, distinctive charge profile - in strict alignment with the battery manufacturer's recommended specifications.
A windows based PC, displaying a dedicated parameter mask, will permit the construction of a charge profile, with up to 5 distinctive phases. Each phase, in turn, may either be assigned current-, voltage- and / or time thresholds and "AmpHour counting", these being the criteria for the change-over to the next phase, "Battery full" detection or auto restart.

Product Features:

- Soft start phase: if battery voltage < 3.0V/cell
- Voltage-, current-, or time settings: criteria for phase change
- Temp. gradient: charge current is temperature dependent
- Charge termination: current-, time or temp. threshold detection
- Auto restart criteria: days elapsed or volt. drop across battery

- External temperature sensor
- "Wake-up" function for battery in sleep-mode
- LED Indicators for charge status and error diagnostics
- Short circuit and reverse polarity protection
- Spark suppression at terminal connections



Technical Specifications

MEC Article Number	Number of cells	Max. charge current[A]	MEC Article Number	Number of cells	Max. charge current[A]
165-05353-470	5	35.0	165-11163-470	11	16.0
165-06303-470	6	30.0	165-12153-470	12	15.0
165-07273-470	7	27.0	165-13143-470	13	14.0
165-08223-470	8	22.0	165-14133-470	14	13.0
165-09203-470	9	20.0	165-15123-470	15	12.0
165-10183-470	10	18.0	165-16113-470	16	11.0

AC-Input	Voltage	100-240V, wide-range
	Frequency	50/60Hz
	Mains plug	IEC 320 Terminal, AC-cord with country specific plug
	Active Power Factor Correction(PFC)	0.99
DC-Output	Power	Max. 750W
	Charge current, max.	35A @5 cells, 11A @16 cells
	Efficiency	>87%@230VAC
	Ripple voltage	<1%
	Battery back-discharge current	<4mA (with mains disconnected)
Safety & EMC	Electrical safety standard	EN60950, EN60335.2.29, IEC60335.2.29, AS/NZ 3350.2.29
	EMC	EN55014-1/2, EN61000-6-3, EN61000-6-1
	Safety certificates	GS, CB, CE, AU
Dimensions / Weight	Size (LxWxH)	300*170*75mm, 2.9kg

Li-Ion / Polymer Battery Chargers: 5...16 cells, 1000W
165-1000-470 V-Pack series

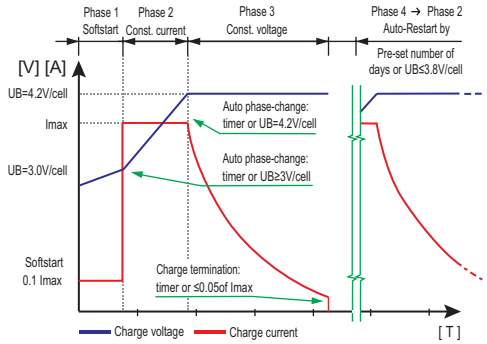
- **With a multi-phase, user-configurable charge profile: being in complete agreement with very demanding battery specs**

Access to the charger's micro controller, via an external interface device and the charge terminals, will enable the authoized vendor or end user to custom-build his own, distinctive charge profile - in strict alignment with the battery manufacturer's recommended specifications.
A windows based PC, displaying a dedicated parameter mask, will permit the construction of a charge profile, with up to 5 distinctive phases. Each phase, in turn, may either be assigned current-, voltage- and / or time thresholds and "AmpHour counting", these being the criteria for the change-over to the next phase, "Battery full" detection or auto restart.

Product Features:

- Soft start phase: if battery voltage < 3.0V/cell
- Voltage-, current-, or time settings: criteria for phase change
- Temp. gradient: charge current is temperature dependent
- Charge termination: current-, time or temp. threshold detection
- Auto restart criteria: days elapsed or volt. drop across battery

- External temperature sensor
- "Wake-up" function for battery in sleep-mode
- LED Indicators for charge status and error diagnostics
- Short circuit and reverse polarity protection
- Spark suppression at terminal connections



Technical Specifications

MEC Article Number	Number of cells	Max. charge current[A]	MEC Article Number	Number of cells	Max. charge current[A]
165-05503-470	5	50.0	165-11223-470	11	22.0
165-06403-470	6	40.0	165-12203-470	12	20.0
165-07353-470	7	35.0	165-13183-470	13	18.0
165-08303-470	8	30.0	165-14173-470	14	17.0
165-09263-470	9	26.0	165-15163-470	15	16.0
165-10243-470	10	24.0	165-16153-470	16	15.0

AC-Input	Voltage	100-240V, wide-range
	Frequency	50/60Hz
	Mains plug	IEC 320 Terminal, AC-cord with country specific plug
	Active Power Factor Correction(PFC)	0.99
DC-Output	Power	Max.1000W
	Charge current, max.	50A @5 cells, 15A @16 cells
	Efficiency	>87%@230VAC
	Ripple voltage	<1%
	Battery back-discharge current	<4mA (with mains disconnected)
Safety & EMC	Electrical safety standard	EN60950, EN60335.2.29, IEC60335.2.29, AS/NZ 3350.2.29
	EMC	EN55014-1/2, EN61000-6-3, EN61000-6-1
	Safety certificates	GS, CB, CE, AU
Dimensions / Weight	Size (LxWxH)	340*190*75mm,4.3kg