

Your Partner in Charging Systems
and Battery Technology.



MEC-BATTERY CHARGERS. FOR THE OUTDOORS & THE INDUSTRY



With the customized Charge Profile.

40W – 2000W Output Power for
Lithium and Lead-based Batteries



www.mec-energietechnik.at



MEC Energietechnik GmbH in Villach, since 2010.

We are the extended arm of our company-owned manufacturing plant in Dong Guan, China. From our location in Austria, we provide support and after-sales service to our European customers. We hold a full range of battery chargers in stock locally. Each unit is programmed with the optimal charging profile for its respective battery and undergoes rigorous testing prior to shipping.

Thanks to our many years of experience working with batteries and charging systems and our close collaboration with our production plant in China, we are the ideal partner for developing and realising OEM products and projects.

Our factory in Dongguan, since 1989.

In addition to developing an extensive range of programmable battery chargers in-house, MEC also manufactures numerous power-related OEM products for renowned European companies.

Our SMD- and final product assembly lines can handle a wide variety of small production batches on schedule. This is made possible by the timely provision of fixtures, transformers, chokes, metal housings and heat sinks by our in-house production departments.

Mainland Energy Conversion Ltd, our Hong Kong office since 1989.

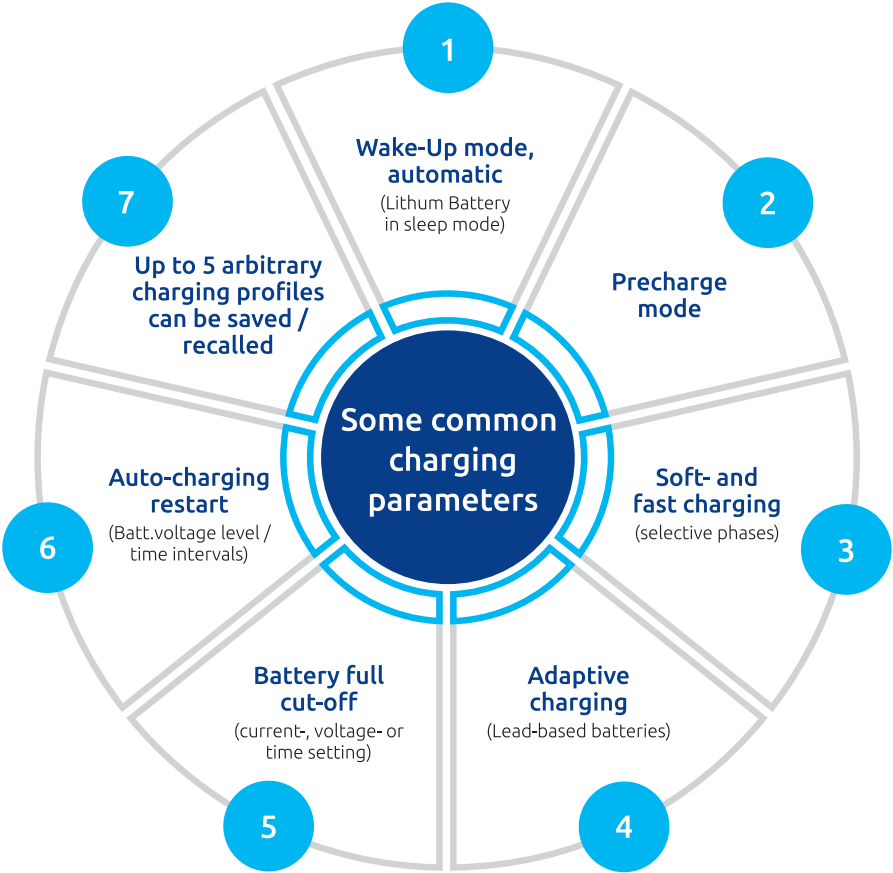
Besides providing project support for OEM customers and procuring electronic components for the factory, the office is responsible for the cross-border transport of parts and finished products between China and Hong Kong, as well as the worldwide shipping of finished products.

All our chargers are easy to configure.
For almost any battery chemistry and size.

All our chargers can be easily and quickly customised with the optimum charging profile for batteries of different electrochemical types and sizes. We ship our chargers with the charging characteristic specified by the customer.

For example, our Nova-300 (24V/18A) battery charger can replace any regular charger dedicated to either 7S/Li-Ion, 8S/LiFePO4 or 24V-lead based batteries by uploading a file with a battery specific charge profile.

Charge profiles can be easily configured with additional features, some of which are listed below:





IP65 / IP68 waterproof Battery Chargers



JOE-100



Waterproof

Nom. Charge Current

Li-ion				
4S	7S	10S	12S	14S
7A	4A	2.5A	2.2A	2A

LiFePO4			
4S	8S	14S	16S
7A	4A	2.2A	2A

Output Power	max. 115W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-20°C to +40°C
Dimensions / Weight	85 x 175 x 45mm / 0.85kg
Charge Cord	1.3m with open ends
IP-Protection class	IP68
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE, UKCA

JOE-120



Waterproof

Nom. Charge Current

Li-ion			
4S	7S	10S	14S
8A	-	-	-

LiFePO4			
4S	8S	14S	16S
8A	-	-	-

Output Power	max. 120W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-20°C to +40°C
Dimensions / Weight	85 x 175 x 45mm / 0.85kg
Charge Cord	1.3m with open ends
IP-Protection class	IP68
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE, UKCA

ATLAS-300



Waterproof

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
18A	10A	7A	6A	5A	20A	10A	5.5A	5A

Output Power	max. 300W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-20°C to +40°C
Dimensions / Weight	235 x 196 x 70mm / 3.2kg
Charge Cord	1.2m, wire ends stripped / Ring Terminals
IP-Protection class	IP65
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	Ignition-Lock, Charge Enable
Certificates of Compliance	CE

ATLAS-500



Waterproof

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
-	17A	11A	10A	8.5A	-	17A	10A	8.5A

Output Power	max. 500W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-20°C to +40°C
Dimensions / Weight	235 x 196 x 70mm / 3.5kg
Charge Cord	1.2m with open ends
IP-Protection class	IP65
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	CAN-Bus, Wegfahrsperr, Ladefreigabe
Certificates of Compliance	CE

ATLAS-750



Waterproof

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
-	25A	15A	15A	12.5A	-	25A	15A	12.5A

Output Power	max. 750W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-20°C to +40°C
Dimensions / Weight	225 x 200 x 87mm / 4.0kg
Charge Cord	1.2m with open ends
IP-Protection class	IP65
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	CAN-Bus, Ignition-Lock, Charge Enable
Certificates of Compliance	CE

NOVA-1000F Battery Charger
Multi-Chemistry | Programmable

Mains: 100-240VAC

Battery Terminal

MEC
Power Solutions

Designed in Austria,
Made in China - by MEC



Fan-Cooled Battery Chargers

NOVA-300F



Fan-cooled

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
18A	10A	7A	6A	5A	20A	10A	6A	-

Output Power	max. 300W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	210x110x45mm / 1.3kg
Charge Cord	1.3m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE, UKCA

NOVA-360F



Fan-cooled

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
20A	12A	8A	7A	6A	25A	12A	7A	5A

Output Power	max. 360W
Mains Voltage / Mains-Plug	100 - 240VAC / 3-pin IEC-Plug, Mains-Switch
Operating Temperature	-10°C to +40°C
Dimensions / Weight	158 x 235 x 67mm / 2.3kg
Charge Cord	1.2m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE

NOVA-650F



Fan-cooled

Nom. Charge Current

Li-ion				
4S	7S	10S	12S	14S
-	22A	15A	12.5A	11A

LiFePO4			
4S	8S	14S	16S
-	22A	12.5A	11A

Output Power	max. 650W
Mains Voltage / Mains-Plug	100 - 240VAC / 3-pin IEC-Plug, Mains-Switch
Operating Temperature	-10°C to +40°C
Dimensions / Weight	158 x 235 x 67mm / 2.5kg
Charge Cord	1.3m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	CAN-Bus, Ignition-Lock, Charge Enable
Certificates of Compliance	CE

NOVA-750F



Fan-cooled

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
-	25A	17A	14.5A	12.5A	-	25A	14.5A	13A

Output Power	max. 750W
Mains Voltage / Mains-Plug	100 - 240VAC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	258 x 145 x 70mm / 2.7kg
Charge Cord	1.3m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	Ignition-Lock, Charge Enable
Certificates of Compliance	CE

NOVA-1000F



Fan-cooled

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
-	-	-	15A	15A	-	-	15A	15A

Output Power	max. 1000W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	180 x 238 x 84mm / 2.5kg
Charge Cord	1.3m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	Ignition-Lock, Charge Enable
Certificates of Compliance	CE, UKCA

NOVA-1500F



Fan-cooled

Nom. Charge Current

Li-ion				LiFePO4				
4S	7S	10S	14S	4S	8S	12S	14S	16S
-	50A	-	-	-	50A	-	-	-

Output Power	max. 1500W
Mains Voltage / Mains-Plug	180 - 240VAC / 3-pin IEC-Plug, Mains-Switch
Operating Temperature	-20°C to +40°C
Dimensions / Weight	336 x 190 x 88mm / 4.2kg
Charge Cord	1.2m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	CAN-Bus, Ignition-Lock, Charge Enable
Certificates of Compliance	CE

NOVA-2000F



Fan-cooled

Nom. Charge Current

Li-ion					LiFePO4			
4S	7S	10S	12S	14S	4S	8S	14S	16S
-	-	-	35A	35A	-	-	35A	35A

Output Power	max. 2000W
Mains Voltage / Mains-Plug	180 - 240VAC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	307 x 200 x 75mm / 4.2kg
Charge Cord	1.3m with open ends (optional)
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Additional features, optional	CAN-Bus, Ignition-Lock, Charge Enable
Certificates of Compliance	CE, UKCA



Convection-cooled

MCC-40



Convection Cooled

Nom. Charge Current

Li-ion				LiFePO4				
4S	7S	10S	14S	4S	8S	12S	14S	16S
-	-	-	-	2.2A	-	-	-	-

Output Power	max. 32W, >89%
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	180 x 100 x 53mm / 0.7kg
Charge Cord	1.2m with 12mm charge plug
IP-Protection class	IP65
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE

NOVA-60



Convection Cooled


Nom. Charge Current

Li-ion				LiFePO4				
4S	7S	10S	14S	4S	8S	12S	14S	16S
3.5A	2A	-	-	-	-	-	-	-

Output Power	max. 60W
Mains Voltage / Mains-Plug	100 - 240AC / country specific
Operating Temperature	-10°C to +40°C
Dimensions / Weight	135 x 59 x 34mm / 280g
Charge Cord	1.2m with open ends
IP-Protection class	IP20
Safety functions	Short-, Overload-, Reverse Polarity Protection
Certificates of Compliance	CE



MEC-Energietechnik GmbH

 Heizhausstr. 52/7
9500 Villach
Austria

 www.mec-energietechnik.at

