



POWER

FORTIS mini Lithium



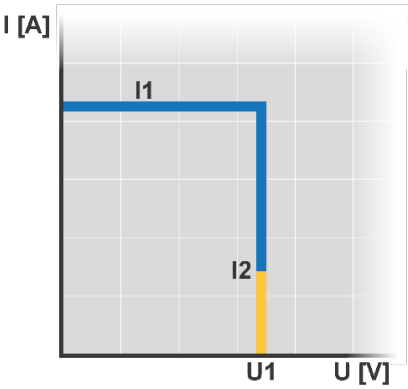
Compact high-frequency charger with robust construction

- Meets hard requirements for three shift operation in industrial areas
- Suitable for charging most types of lithium batteries (LiFePO₄, LTO...)
- Easy setting of battery capacity and charging curve by one button
- LED signaling of charging phases
- User – friendly interface

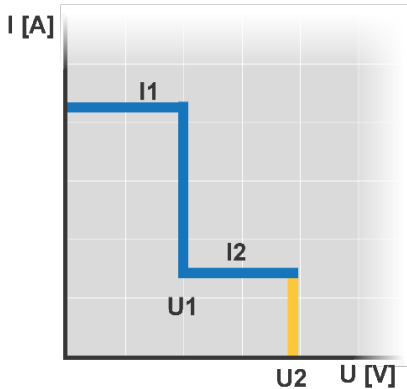
Type	Fortis mini Lithium 40
Battery capacity range	40 – 400 Ah
Input current	5,9 A
Output voltage	24 V DC
Output current	40 A

Charging curves IUa, IUla and IUIUa

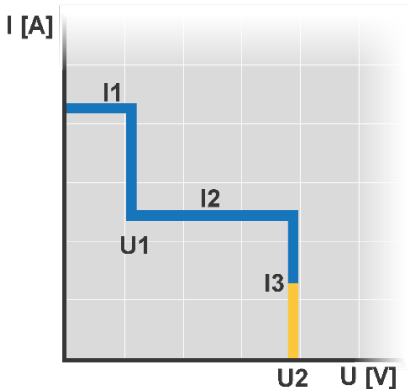
IUa



IUla



IUIUa



TECHNICAL PARAMETERS

INPUT	Fortis mini Lithium 40
Input voltage range	1f 230V, $\pm 15\%$, 50/60Hz
Input current	5,9A / 3,1A
Inrush current	< Inom
Recommended circuit breaker type C	10A / 6A
Power factor	0,99

OUTPUT	Fortis mini Lithium 40
Nominal output voltage	12 V / 24 V
Maximal output voltage	35 V
Maximal output current	40A
Output voltage tolerance	$\pm 1\%$
Output current tolerance	$\pm 2\%$
Efficiency	up to 94%

SAFETY, STANDARDS	
Safety (LVD)	EN 62368-1
EMC resistance	EN 61000-6-2
EMC emissions	EN 61000-6-4
Degree of protection	IP20

STORAGE, WORKING ENVIRONMENT	
Storage	in dry areas -25°C to $+80^{\circ}\text{C}$, max. humidity 80%
Working environment	-10°C to $+40^{\circ}\text{C}$, max. humidity 80%, non condensing

Dimensions (mm)

Type	Case	Height	Width	Depth	X*	Y*	Weight
Fortis mini Lithium 40	M	234	174	90	120	268	4 kg

