



POWER

# FORTIS mini

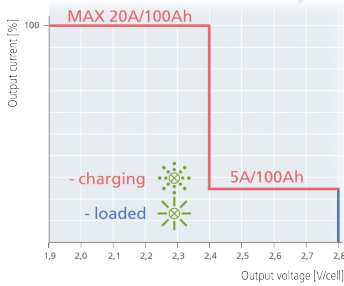


## Compact high-frequency charger with robust construction

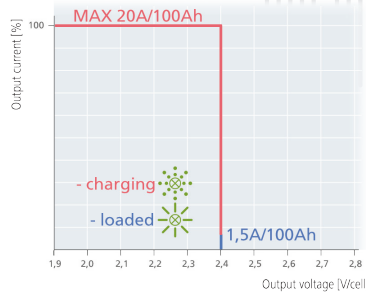
- Meets hard requirements for three shift operation in industrial areas
- Suitable for the recharge of lead acid, gel and AGM batteries
- Easy setting of battery capacity and charging curve by one button
- LED signaling of charging phases

### Charging curves

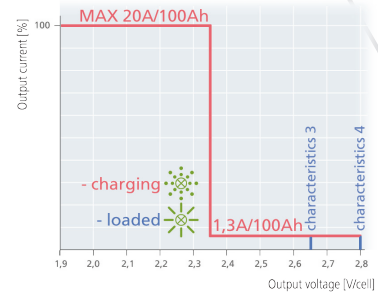
IUIa



IUIa



IUIa-gel



### Charging characteristics - all types

Charging curve setting – Number of red LED blinks

1	2	3	4	5
IUIa dU	IUIa CF	IUIa GEL 2,65	IUIa GEL Ex	IUIa

### Battery capacity setting

TYPE	Battery capacity setting (Ah) – Number of green LED blinks								
	1	2	3	4	5	6	7	8	9
FORTIS mini 24E20 / FORTIS mini 12E20	65	75	85	105	120	135	150	180	210
FORTIS mini 24E30 / FORTIS mini 12E30	105	120	135	150	180	210	240	270	300
FORTIS mini 24E40 / FORTIS mini 12E40	135	150	180	210	240	270	300	345	375
FORTIS mini 24E50	210	240	270	300	345	375	420	465	500
FORTIS mini 24E60	270	300	345	375	420	465	500	560	620

Charging time

up to 8 hours



8–10 hours



10–12 hours



[www.axima-power.com](http://www.axima-power.com)



Charging time:  
standard batteries from 6,5 to 12 hours  
gel batteries from 8 to 14 hours



Battery:  
voltage 24 V and 12V (24E60 only 24V)  
capacity from 65 Ah to 620 Ah

# TECHNICAL PARAMETERS

INPUT	FORTIS mini 24E20 / 12E20	FORTIS mini 24E30 / 12E30	FORTIS mini 24E40 / 12E40	FORTIS mini 24E50	FORTIS mini 24E60
Input voltage range	1f 230V, ±15%, 50/60Hz				
Input current	4,5A / 2,4A	4,2A / 2,3A	5,9A / 3,1A	7,3A	8,5A
Inrush current	<30A, 5ms < Inom				
Recommended circuit breaker type C	10A	10A / 6A		10A	
Power factor	0,7	0,99			

OUTPUT	FORTIS mini 24E20 / 12E20	FORTIS mini 24E30 / 12E30	FORTIS mini 24E40 / 12E40	FORTIS mini 24E50	FORTIS mini 24E60
Output voltage	24V / 12V			24V	
Maximal output current	20A	30A	40A	50A	60A
Output voltage tolerance	±1%				
Output current tolerance	±2%				
Efficiency	až 92%	až 94%		až 91%	

SAFETY, STANDARDS	
Safety (LVD)	EN 62368-1
EMC resistance	EN 61000-6-2
EMC emissions 12/24E20	EN 61000-6-3
EMC emissions 14/24E30	EN 61000-6-4
EMC emissions 14/24E40	EN 61000-6-4
EMC emissions 24E50	EN 61000-6-4
EMC emissions 24E60	EN 61000-6-4
Degree of protection	IP20

STORAGE, WORKING ENVIRONMENT	
Storage	in dry areas -25°C to +80°C, max. relative humidity 80%
Working environment	-10°C to +40°C, max. relative humidity 80%, non condensating

## Dimensions (mm)

TYPE	CASE	H	W	D	X	Y	WEIGHT (kg)
FORTIS mini 24E20 / FORTIS mini 12E20	S	202	155	80	0	236	3
FORTIS mini 24E30 / FORTIS mini 12E30	M	234	174	90	120	268	4
FORTIS mini 24E40 / FORTIS mini 12E40	M	234	174	90	120	268	4
FORTIS mini 24E50	L	349	267	92	180	380	6,5
FORTIS mini 24E60	L	349	267	92	180	380	6,5

