

24V DIN Rail Battery Charger and DC-UPS **ASINCU120-24**

- "All-in-one" economic solution for general purpose applications
- Input: 120-240Vac
- Output: 12 or 24Vdc model dependent
- To be used with lead acid and lithium batteries (compatible with lead acid batteries)
- Instantaneous LOAD switch to BACKUP mode







For reference only

TECHN		

	NCU120-12	NCU120-24	
OUTPUT DATA			
Rated voltage	12Vdc	24Vdc	
Adi autout valtaga ranga	12.515.5Vdc	2327.5Vdc	
Adj. output voltage range	(to be set at 14Vdc for correct battery charging)	(to be set at 27Vdc for correct battery charging	
Continuous current	7A	5A	
Overload limit	11.5A	6.5A	
Load regulation	≤ :	1%	
Ripple and noise	≤ 100mVpp		
Hold up time			
Vin = 120Vac	≥ 10ms	≥ 10ms	
Vin = 240Vac	≥ 80ms	≥ 55ms	
	Overload/short circuit: hiccup		
Protections	Thermal protection		
	 Output overvoltage 		
	Against short-circuit with resettable fuse (9A)		
Battery Protection	Against reverse polarity connection		
•	Against deep discharge (9V for NCU120-12 and 18V for NCU120-24 model)		
	LOAD ON PSU - green LED		
Status signals	LOAD ON BATTERY - amber LED		
	 Dry contact 24Vdc / 1A 		
BATTERY INFO			
Rated voltage	1214.4Vdc	2428.8Vdc	
Charging current	0.8A max.		
INPUT DATA			
Input AC rated voltage	Nominal: 120240Va	c (range 100264Vac)	
Frequency	4763Hz		
Input DC rated voltage	1403	345Vdc	
Input AC rated current			
Vin = 120Vac	2	A	
Vin = 240Vac	1.	1A	
Input DC rated current			
Vin = 140Vdc	1	A	
Vin = 345Vdc	0.5A		
Inrush peak current / I2t	≤ 24A / 0.5A²s		
Touch (leakage) current	≤ 0.6mA		
Internal protection fuse	Fuse 3.15AT (not user replaceable)		
Recommended external protection	Fuse 4AT or MCB	4A C curve / SPD	
GENERAL DATA			
Efficiency	> 83.5%	> 86%	
Dissipated power	< 21W	< 20W	
Operating temperature	- 40°C.	+ 70°C	
Derating	- 0.75W/°C over 50°C	- 1.2W/°C over 50°C	
Lifetime expectancy / MTBF	167'953h (19.1 years) at 25°C ambient full load / (N	MIL-HDBK-217F) 600'000h at 25°C ambient full load	
Overvoltage category		II	
Pollution degree	2 (IEC60664-1)		
Input / output isolation	4.2kVdc		
Input / ground isolation	2.2kVdc		