BATTERY CHARGER, 452542-S, LEAD ACID

SPECIFICATIONS	6 V	12 V	24 V	36 V	48 V
Available versions:	452542-SA	452542-SB	452542-SC	452542-SD	452542-SE
Input voltage:	90-264VAC				
Line frequency:	47-63Hz				
Step 1. Charge current: Orange	2.7A ±0.1A	2.2A ±0.1A	1.2A ±0.1A	0.8A ±0.05A	0.6A ±0.05A
Step 2. Charge voltage	7.35V ±0.10V	14.7V ±0.15V	29.4V ±0.25V	44.1V ±0.25V	58.8V ±0.25V
- Charge current >: Orange <: Yellow	1.20A ±0.1A	1.00A ±0.1A	0.50A 3±0.1A	0.40A ±0.05A	0.25A ±0.05A
Step 3. Charge termination II <: Green	250mA				100mA
Standby voltage:	6.85V ±0.10V	13.7V ±0.15V	27.4V ±0.30V	41.1V ±0.30V	54.8V ±0.40V
Max output power:	20W	32W	35W		
Ripple:	<100mV p-p				
Efficiency (at 230V 100% load) approx.:	0.78	0.84	0.87		
Switch frequency approx.:	40kHz				
Leakage current from battery with mains switched off:	<250µA				
Protection:	Protected against reversed polarity and short circuit proof				
Temperature range:	**Operating:** -25 to +40°C / **Storage:** -25 to +85°C				
Safety:	**EN** 62368-1 / **EN** 60601-1 / **UL** 60601-1 / **EN** 60335-2-29				
Insulation class:	Class II				
Insulation voltage (primary–secondary):	4000VAC/5656VDC				
EMC standards:	**EMC Medical EN** 60601-1-2 / **Emission EN** 61000-6-3 / **Immunity EN** 61000-6-1				
MTBFat Ta = 30°C and full load: Calculated according to MIL–HDBK–217F	>250,000 hours				
Mains connection:	2-pins IEC 60320 connector. (Exchangeable mains plugs EU, UK, US, AU available on type 2542).				
Output terminals:	Cord with/without plug. Exchangeable plugs available.				
IP-Grade:	41				
Dimensions:	117x75x44mm				
Weight:	250g (280g for type 2542)				

CELL-CON
Battery & Charger Solutions

www.cell-con.com
2 Enterprise Lane, Bedford, PA 15522 | P: 814.623.7057 | sales@cell-con.com