BATTERY CHARGER, 452745-S, LEAD ACID

SPECIFICATIONS	12 V	24 V
Available versions:	452745-SB	452745-SC
Input voltage:	95-130VAC /198-264VAC	
Line frequency:	47-63Hz	
Max output power:	294W	
Step 0. < 30min Yellow:	2.5A ±0.3A, when battery voltage <10.5V	1.4A ±0.5A, when battery voltage <21.0V
Step 0. > 30min Red (Error-mode):	<0.2A	
Step 1. Yellow:	(until Vbat = 14.7V) 20A ±0.5A, when battery voltage >10.5V	(until Vbat = 29.4V) 10A ±0.5A, when battery voltage >21.0V
Step 2. Flashing Yellow:	(until I charge <2.5A or >4h) 14.7V ±0.1V and charge current is tapering	(until I charge <1.4A or >4h) 29.4V ±0.1V and charge current is tapering
Step 3. Green:	(until I charge >20A) 13.7V ±0.2V, supply current up to maximum 20A for possible parallel load	(until I charge >10A) 27.4V ±0.2V, supply current up to maximum 10A for possible parallel load
Charge timer (Step 2):	4h	
Safety timer:	72h	
Restart charge current:	20A	10A
Temperature coefficient:	-3 to -4mV/°C pr. cell	
Formation charge:	Low current start up of deeply discharged battery	
Float charge:	20A pulses at safe float voltage level for maximum topping of battery capacity	10A pulses at safe float voltage level for maximum topping of battery capacity
Indication when “battery not connected”:	Flashing Green (1s/1s)	
Ripple:	<100mV p-p	
Efficiency (at 100% load, 230V) approx.:	>85%	
Switch frequency approx.:	67kHz	
Leakage current from battery with mains switched off:	<0.6mA at 13V battery voltage (0.43Ah/month)	
Protection:	Protected against reversed polarity and short circuit proof. Safety timer. Charging of wrong lower voltage battery pack (e.g. 6V) will be limited to 2.5A and terminated after 30min.	Protected against reversed polarity and short circuit proof. Safety timer. Charging of wrong lower voltage battery pack (e.g. 12V) will be limited to 1.4A and terminated after 30min.
Temperature range:	**Operating:** -25 to +40°C / **Storage:** -25 to +85°C	
Safety:	**EN** 60335-2-29	
Insulation class:	Class I	
Insulation voltage (primary–secondary):	3750VAC/5300VDC	
EMC standards:	**EN** 55014-1 and –2 / **Emission EN** 61000-6-3 / **Immunity EN** 61000-6-1	
Input terminal:	Mains Cord	
Output terminals:	Leads with battery clips	
IP-Grade:	20 (PCB with components are protected with coating)	
Rec. battery capacity:	100-1000Ah	
Temperature control:	Temperature controlled fan	
Dimensions:	245×186×63.5mm	
Weight:	2.37kg	

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Battery & Charger Solutions

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