

SPECIFICATIONS FOR 2945 LA	12V
Input voltage: / Line frequency:	198 - 264VAC / 47 - 63Hz
Max output power:	294W
Step 0 < 30min Yellow	2.5A ± 0.3A, when battery voltage < 10.5V
Step 0 > 30min Red (Error-mode)	< 0.2A
Step 1 (until Vbat = 14.7V) Yellow	20A ± 0.5A, when battery voltage >10.5V.
Step 2 (until I charge < 2.5A or > 4h) Flashing Yellow	14.7V ± 0.1V and charge current is tapering.
Step 3 (until I charge > 20A) Green	13.7V ± 0.2V, supply current up to maximum 20A for possible parallel load.
Charge timer (step2):	4h
Safety timer:	72h
Restart charge current:	20A
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.
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.
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 / 5300 VDC
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:	215 x 186 x 63.5 mm
Weight:	2,36kg