

SPECIFICATIONS FOR 2745 LA	12V	24V
Available versions	x	
Input voltage: / Line frequency:	95 - 130 VAC 198 - 264VAC / 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 (step2):	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 / 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:	245 × 186 × 63.5 mm	
Weight:	2.37kg	