



	ITEM	UNIT	SPECIFICATION	REMARK
Input	Rating input voltage	V ac	100~240Vac 50/60Hz	
	Input voltage range	V ac	90~264Vac	
	Rating input current	A	0.4 arms	Input: 220V; Output: full load
	Max. input power	W	40	
Output	Rating output voltage	V dc	13.8V	
	Output voltage range	V dc	10VDC ~ 15VDC	
	Suitable with battery type		12V 7~14Ah VRLA	
	Charging current (stage 1)	A	1.8± 0.2@12V	
	Charging voltage (stage 2)	V	14.75V +-0.25V	
	Floating voltage (stage 3)	V	13.75V+-0.20V	
	Cut-off current(stage 2→3)	A	<0.40+-0.04A	
	Typical charging time	hour	8	
	Max. output power	W	30W	
	Hold-on time	ms	NC	Input: 220Vac; Output: full load
	Ripple current	mA	80	Input: 220Vac; Output: full load
	Charge finish condition		V>14V + I<0.4A	
	LED color		red: charging; green: finish/idle	
	Output protect	-	OCP & OVP	
	Efficiency	%	80%	at max. load
Environment	Operating temperature	°C	-10 ~ +40	full load & natural convection
	Operating humidity	%RH	< +90	relative humidity, non-condensing
	Storage temperature	°C	-40 ~ +70	
	Storage humidity	%RH	0 ~ +95	relative humidity, non-condensing
	Cooling	-	natural convection	
	Temperature factor	%	-	
	Vibration resistance		5MM/50HZ/600S	non-operating condition
	Impact resistance		1 meter drop test >= 3 times	non-operating condition
Mechanical	Weight	g	250	
	Size	mm	117X61X37	casing only
	Connectors	-	defined when order	
Safety	Max. temperature rise	°C	< 40 on casing	at any line & max. load
	Safety standards	-	GB4943 EN60950 UL1310	
	EMC standard	-	EN55014	
	MTBF	hrs	30000	
	Limited power source	VA	-	
	ESD	kV	8.0	
	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	for final unit, cut-off current = 10mA