



JEFF POWER COMPANY LIMITED

天澤能源有限公司

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JPCR5 Battery Charger for 5 Serial AA NiMH batteries				
	Items	Unit	Typical Value	Remark
INPUT				
01	RATED INPUT	V ac	100~240Vac 50/60Hz	
02	INPUT RANGE	V ac	90~264Vac	
03	MAX. INPUT POWER	W	5	INPUT: 230V OUTPUT: Full Load
OUTPUT				
04	RATED OUTPUT VOLTAGE	V dc	10.5VDC	
05	OUTPUT VOLTAGE RANGE	V dc	10VDC ~ 12VDC	
06	CHARGE CURRENT		25~600mA	
07	SUIT WIT		5JPH2A1500 Consumer Grade	For 5 Serial AA NiMH batteries
08	MAX. CHARGE PERIOD	hour	10 Hours	
09	MAX. OUTPUT CURRENT	W	3W	
10	LED INDICATION		RED: CHARGEING YELLOW: 60-90% FULL GREEN: POWERON / FULL	Maximum efficiency at 25°C temperature.
11	CHARGE TIME		Approx. 4 ~ 8Hours (15°C-35°C)	
ENVIRNMENT				
12	OPERATE TEMP. (BATTEERY & CHARGER)	°C	15 ~35	Full load & natural convection.
13	OPERATE HUMIDITY	%RH	< +90	Relative humidity, non-condensing.
14	STORAGE TEMP.	°C	-40 ~ +70	
15	STORAGE HUMIDITY	%RH	0 ~ +95	Relative humidity, non-condensing.
16	COOLING	-	Natural convection	
17	VIBRATION		5MM/50HZ/600S	Non-operating condition.
MECHANICAL				
18	WEIGHT	g	~60	
19	SIZE	mm	63X39 X30 (64)	Casing only
20	CONNECTORS	-	DC plug: I.D 5.5mm, Positive O.D 2.1mm, Negative AC plug: Europe Plug	
SAFETY				
21	TEMP. RISE	°C	< 40 on casing	At any line and Max. Load
22	SAFETY STANDARD	-	EN60335-2-29	
23	EMC	-	EN55014B	
24	MTBF	hrs	30000	
25	ESD	kV	8.0	
26	HI-POT	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA

Instruction on Use:

- 1) For Tailor Designed Packs only. Do not charge non-rechargeable batteries.
- 2) In-house use only.
- 3) Avoid use in humid environment.
- 4) Use in room temperature condition. Temperature range should be maintained at 15-35° C. Over heating will lower charge efficiency, lower battery life and battery damage. Charge indicator will takes longer time to change. Over low temperature will cause full charge indicator change turn on too early.
- 5) Make sure batteries polarity correct before charging.
- 6) Make sure battery in good connection for best charge and shortest charging time.
- 7) When charge at very high temperature, LED indicator may not change to green. If charged over 10 hours and indicator does not turn green, unplug the charger. Battery should be over 80% full.
- 8) If charged for over 10 hours and indicator does not turn, check followings





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- a) Temperature too high
- b) Mistakes in battery connection
- c) Not direct charged to the batteries. Some electronic part/parts inserted.
- d) Old or failed rechargeable battery.
- e) Non-rechargeable batteries.

Unplug the charger. If batteries are normal and can light up normally, the light time is normal, than the charger can use safely.

- 9) At delivery, each single charger is wrapped with a plastic bag. Around 100 to 150 pieces are packed in a big plastic bag. Around 300 pieces of chargers are carried by a plastic recycle box. Plastic boxes and big plastic bags are recollected for re-use.