

**Products Specification**
**SHENZHEN ABT ELECTRONICS CO., LTD.**

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SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	USED IN:			
ISSUE DATE :	9/4/2008 1:04:00 PM			
COMMON/UNITE	DOC. NO:		REV.: 2.0	PAGE: 1 OF 1

**3PX0-N7045 SMART NIMH BATTERY CHARGER**

NO	ITEM	UNIT	SPECIFICATION	REMARK
<b>INPUT</b>				
01	RATING INPUT	V ac	100~240Vac 50/60Hz	
02	INPUT RANGE	V ac	90~264Vac	
03	RATING INPUT CURRENT	A	0.8Arms	INPUT:220V OUTPUT:Full load
04	MAX. INPUT POWER	W	90	
<b>OUTPUT</b>				
05	RATING OUTPUT VOLTAGE	V dc	42V	
06	OUTPUT VOLTAGE RANGE	V dc	30VDC ~ 50VDC	
07	SUIT WITH BATTERY	Ah	36V 4~14AH NI-MH	
08	CHARGE CURRENT	A	1.7A +-0.1A	
09	TRICKLE CURRENT	A	0	
11	INNER TIMMER	hour	8hour (TYP.)	
12	MAX. OUTPUT POWER	W	70W	
13	HOLD-ON TIME	ms	NC	Input: 220Vac Output: Full load
14	RIPPLE CURRENT	mA	100	Input: 220Vac Output: Full load
15	MAIN CHARGE END CONDITION		or $dT/dt \geq 0.4 \text{ }^\circ\text{C/min(TYP)}$ or $-dv \geq 5\text{mV/Cell(TYP)}$ or $V_{\text{max}} \geq 1.59\text{V/Cell}$ or $T_{\text{max}} \geq 50+2 \text{ }^\circ\text{C}$ or Time out	
16	LED INDICATION		RED: MAIN CHARGE GREEN: FINISHED	Flashing means error setup
17	Output Short-circuit Protection Output Reverse Protection	-	YES YES	
18	EFFICIENCY	%	80%	At max. load
<b>ENVIRONMENT</b>				
19	OPERATE TEMP.	$^\circ\text{C}$	-10 ~ +40	Full load & natural convection.
20	OPERATE HUMIDITY	%RH	< +90	Relative humidity, non-condensing.
21	STORAGE TEMP.	$^\circ\text{C}$	-40 ~ +70	
22	STORAGE HUMIDITY	%RH	0 ~ +95	Relative humidity, non-condensing.
23	COOLING	-	Natural convection	
24	TEMP. FACT	%	--	
25	VIBRATION		5MM/50HZ/600S	Non-operating condition.
26	IMPACT		1 meter drop test $\geq 3$ times	Non-operating condition.
<b>MECHANICAL</b>				
27	WEIGHT	g	550	
28	SIZE	mm	129X91X68	Casing only
29	CONNECTER	-	DC PLUG: 3-PIN TPYE +, -, NTC AC PLUG: Defined when order	NTC type: temperature sensor resister 10K&B=3950
<b>SAFETY</b>				
30	TEMP. RISE	$^\circ\text{C}$	< 40 on casing	At any line and Max. Load
31	SAFETY STANDARD	-	IEC335-2-29	
32	EMC	-	EN55014	
33	MTBF	hrs	30000	
34	ESD	kV	8.0	
35	HI-POT	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA