The specifications apply to the integrated type direct current stabilization power supply unit: Type NSP2-250-D2S. This unit supplies the direct current output at the AC input service interruption by connecting the specific battery packs (PS2538, PS2565, PS2538L, PS2565L and PS2571)* sold separately.

	necting the specific ba	attery packs (PS2538, PS2505, PS2556L, PS2505L at recomplete	proveture and room humidity.)
G€		(In case no instruction is given, the conditions are at room tem	Measuring conditions, etc.
<u> </u>	Item	Specifications	
-	Rated input voltage	AC100-240V	Wide range
	Input voltage range	AC85-264V	2
AC input	Rated frequency	50 / 60 Hz	Permissible range 47 – 63Hz
AC	Inrush current	50Apeak or less (AC 100V), 100Apeak or less (AC 240V)	At rated output, at cold start
	Input capacity	375VA or less	- hattom
1 /	Efficiency	68% typ(AC100V),70% typ(AC240V)	Rated output, in battery
	Power factor	98% typ(AC100V),94% typ(AC240V)	full-charged
<u>t</u>	Rated input voltage	DC24V	Battery nominal voltage value
DC input	Input voltage permissible range	DC20-32V	
ă	Input capacity	360W or less	
1	Efficiency	70% typ	at rated in/outputs
sue	Room	0-50 °C	Temperature gradient 15°C/H
specifications	Storage temperature	-25 - 70°C	Temperature gradient 15°C /H
ecif	Relative humidity	In operation 10 – 90%, non-operation 10 – 95%	No condensation
ental sp	Vibration	At amplitude 0.15mm, frequency 10 – 55Hz, sweep cycle 10, to be endurable for 45 minutes to directions of X, Y, and Z.	Conforms to JIS-C-0040- 1995
Environmental	Shock	At acceleration 150m/s ² , shock affecting time 11ms, shock is given one time to the directions of X, Y and Z. No malfunction, damage, slack, dislocation are seen.	Conforms to JIS-C-0041- 1995
	Dielectric strength	AC 3kV/sec. in each connection between AC input-FG, DC output and DC input	
Insulation		$50M\Omega$ or more between AC input-DC output • DC input • FG 50M\Omega or more between DC input-DC output-FG	DC 500V, Room temperature, room humidity
	Leak current	0.5mA or less (AC100V)/1mA or less (AC240V)	YEW, equivalent to TYPE3226 (1kΩ)
			区区

* Note) Consult previously when the batteries other than the specific battery pack <mark>株 used Dth枝 管</mark>pes of batteries may occur the liquid leakage, bursting and fire.

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	Item	Specifications	Measuring conditions, etc.
	Line noise strength	Impulse+/-2kV, cycle 10-50ms (pulse width 100, 800ns)	In the range of DC output specifications and no malfunction occurs.
	Shock voltage strength	+/-4kV in common mode (L-FG, N-FG) is impressed 5 times at 0°, 90°, and 270°. No abnormal condition is found.	Conforms to IEC-1000-4-5
	Input feedback noise, radiant noise	To satisfy VCCI class A, FCC limit class A and EN55022 limit class A	Measured in the condition of being installed in our PC for EMC measurement
others	High harmonic wave current regulation	To satisfy IEC 1000-3-2 class A, EN61000-3-2 class A	In operation at the rated in/outputs
	Safety regulation	UL1950,CSA C22.2 No.234 IEC950,EN60950(TÜV)	
	Cooling system	Compulsory cooling (integrated fan motor with alarm)	Alarm signal outputs at the fan stop
	Product quality grade	FA	Conforms to our regulations
	Warranty period	5 years after delivery. Repair or replacement at no cost when defect is found due to the manufacturer's fault.	

Remarks

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Ou	tput specific	cation	ns (In cas	e no instr	uction is	given, th	e conditio	ons are a	t room temperature and room
hui	midity.) Item		CH1	CH2	СНЗ	CH4	СН5	CH6(5V s)	Measuring conditions, etc.
H	Rated voltage (V)		5	3.3	12	-5	-12	5	
5.0	Rated current		20	10	7	0.5	0.5	1	
l ä	Peak current		23	10	12	0.5	0.5	1	
Rating	Minimum current (A)	(-)	1.5	0	0	0	0	0	Minimum load current to satisfy the constant voltage accuracy
Output	Maximum ou power (W)	ıtput	Total cap 133Wo Total ca		17W or	2.5	6	5	Total output 230.5W or less
	w z Volta		5.05	3.3	12.0	-5.0	-12.0	5.05	At rated input (3 terminals regulator is used for -5V and
	Accur	acy	+/-1	+/-1	+/-3	_	_	_	-1ŽV outputs)
	Voltage Voltag	ent	10	4	5	0.5	0.5	0.5	
	Total volume	tage	+/-4 or less	+/-4 or less	+/-4 or less	+/-5 or less	+/-5 or less	+/-5 or less	Sum total of temperature fluctuation, input fluctuation and load fluctuation
	Maximum ripple voltage (mV p-p)		50 or less	50 or less	100 or less	50 or less	100 or less	50 or less	Lead wire is pulled out of the output connector and 47uF condenser is equipped for
stics	Maximum spike voltage (mV p-p)		100 or less	100 or less	200 or less	100 or less	200 or less	100 or less	measurement.
racteri	Dynamic	Dynamic load fluctuation(m		100 or less	Rated a 100%.	uto (self) Other ou	output, tputs are	of the rat	tput only varies to/from 50 - ted values.
Output characteristics	Over cur	Over current protection (A)		13 or more Note2)	13 or more	Short circuit protecti on	Short circuit protecti on	Short circuit protecti on	Other outputs are of the rated loads. All outputs stop at the over-current protection operation of CH1,
Outp	Return		Input rechar ge	Input rechar ge	Input rechar ge	Auto return	Auto return	Auto return	2, 3.
	Over vol	tage (V)	6.0- 7.0	3.8- 4.3	ge 14- 15.6	-	-	-	To be returned by the AC input recharge Period that the output
	Starting t	ime	Within	100ms					voltage rises from 10% to 90%
	Charge voltage, current		27.3V t (battery	yp (tempe v voltage a	erature 2 at 24V)	5℃ at no	o load), 0	.5+/-0.2A	Specific for lead sealed battery
	Over discharge prevention		1	or less (ba	ttery circ	uit shut d	lown)		

Remarks

Note 1), Note 2) When other outputs are out of the rated loads, total current value of CH1 and CH2 should be 33A or more.



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							lace humidity)		
\underline{S}^{j}	ignal in/output specifications	(In case no instruction is given , th	ie cor	nditions a	are at room te ications	mperature at	nd room numicity.		
	Item	At the 'H' or 'OPEN' inpu	+0	<u> 5респь</u>	5 outputs	e eton			
		1							
1	(REMOTE ON/OFF) Battery shut down (SHUT	At the 'L'(P12) or 'Positiv	ve	(+2.4V	or more	' (DSUB)	inputs, battery		
Į žį	Battery shut down (SHUI DOWN)	connection is shut down	n.	(effec	tive only	at the	battery back-up		
Input	DOWN)	(anaration)							
_ '	Operation switch control	A+ T input AC inverter	con	npulso	rily stops	and to be	3 switched to DO		
l '	(BATT CHECK)	I amountion for the dummy	COP	የአክሮው ነክ	nterriintio	m			
	+5Vs	L5V+/-5%, 1Amax, Short c	ircu	ait pro	tection (1)	o be outp	at regardless die		
'		remote ON/OFF signal.) When CH1 (+5V) output		correct	+ 'H' sign	al is outp	nt Detect delay		
'	Output correct signal (POWER GOOD)	time: 200 350mS)							
1	(POWER GOOD) Service interruption detect		n ar	nd serv	vice interv	cuption de	etection, 'H'(P12)		
1 🛱	signal (AC FAIL)	on 'Mogatizzo							
Ē	Signar (10 11112)	(OVtom)'(DCIIR) are out	tpu	t. Def	tect_volta	ge: 80vt	yp, Detect delay		
Output		time: after AC input shut	t do	$\frac{1}{2}$	0-40mS.	output W	whon the hattery		
\subseteq	Battery voltage drop signal	H'(P12) or 'Negative(-9Vtyp)'(DSUB) are output when the battery terminal voltage drops to 19.3+/-0.5V. (In the battery disconnection							
	(BATT LOW)	Landition 'H' signal is no	condition, 'H' signal is not output.) When fan lock stop condition continues, short form wave is						
	Fan alarm signal (FAN	When fan lock stop	con	dition	continue	es, short	form wave is		
	ALARM)	continuously output.							
			Se	 anue <u>nc</u> e	e signal pi	i <u>n arrang</u>	rement		
Σr	ignal Input Circuit	1	Degavine significant						
	+5Vs Inside Outsid	ļ	١٢	ONI		Cable			
	٩	1		CN	Pin No.	color	Signal		
	1kΩ $\left\{ \begin{array}{c} I & Q1 ON \end{array} \right.$!	1 -	No.		Black	COM		
1	$\int 12\Omega \qquad \longrightarrow 5 \text{mA} \leq I \leq 10$	mA !		!	1				
	V _{o≤} 0.4V	,		,	2	Yellow	SHUT DOWN		
	V. Q1	,		'	3	Blue	AC FAIL		
	i V ~-	!		P12	4	White	BATT LOW		
	\ ' <i>7\</i> \	,		114 ,		 	BATT		
	(Relay connection available)	. A	11	,	5	ORAN			
	*Notice to the minimum current 5m.	A	11	,	'	GE	CHECK		
S	ignal Output Circuit	(=			6	Purple	FAN ALARM		
1	(AC FAIL,BATT LOW,	(POWER GOOD)			1-7		able specifications		
	FAN ALARM)					100.101	POWER		
		inside outside		1	8	Orange	1		
1		+5Va Q1 ON		P1			GOOD		
	+5Vs $Q = Q1 ON$ $I_{D \leq 15mA}$	[i	9	Yellow	+5Vs		
10	$00k\Omega > 1.5 V_0 \leq 0.4V$	$1k\Omega $ $\int_{I_D} V_{0\leq 0.4V}$	1	í	10-20	Pofer to c	cable specifications		
	> 1D <	Υ∠≟™ Υ .	1		10-20	There is a	able specification		

DSUB is equivalent to JEC-9P(Nippon Acchaku)
DSUB signal is equivalent to the ADM232AARN (Analog Devices)
GND is common to power output GND.

Remarks

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BATT LOW

SHUT DOWN

AC FAIL

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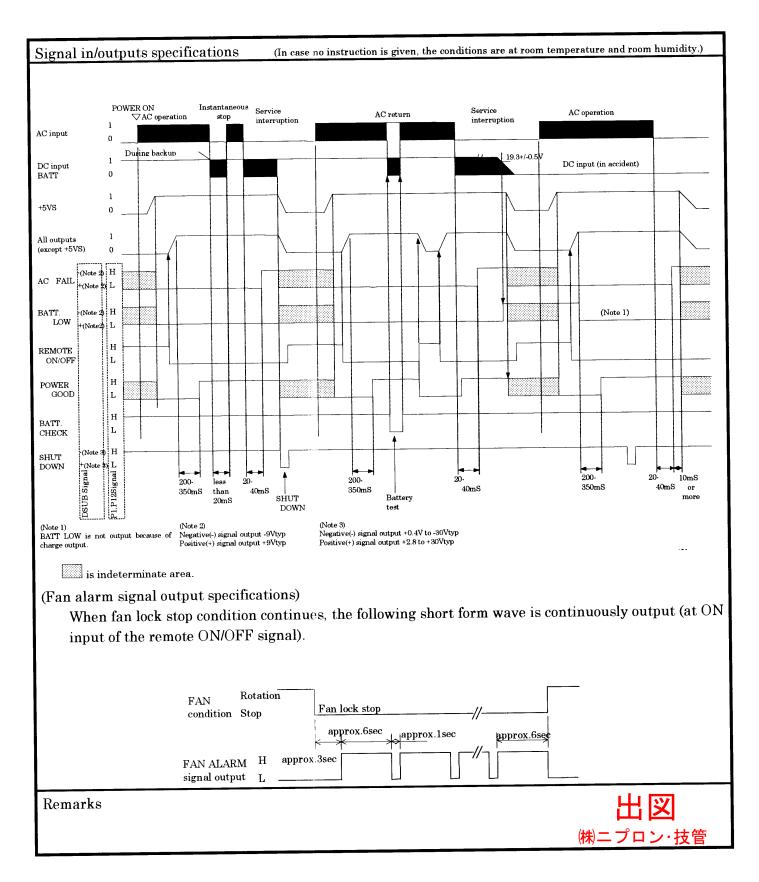
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DSU

В

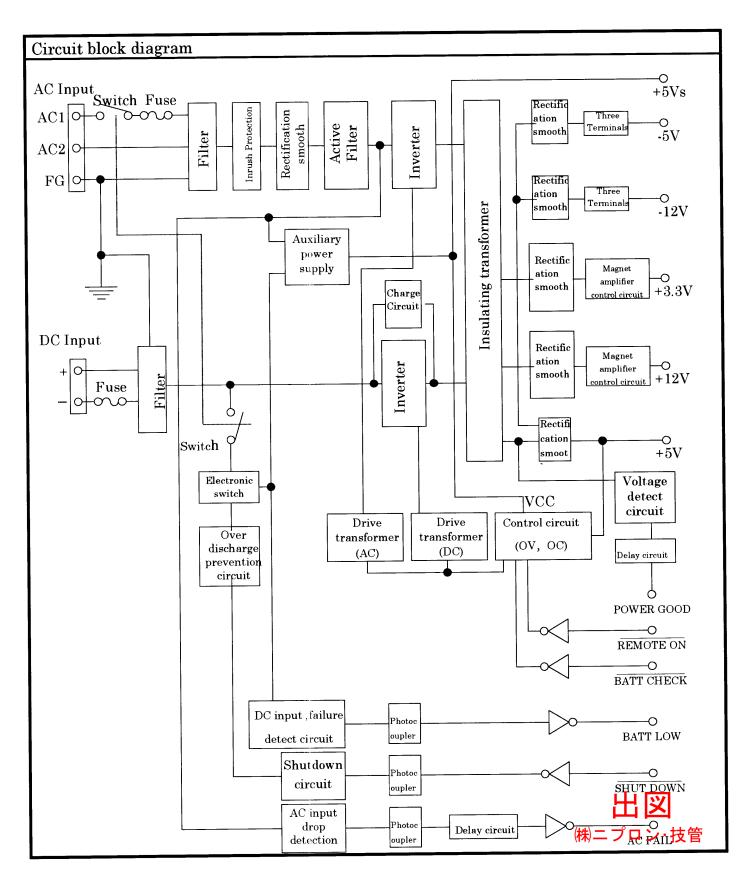
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