



QP-375 SERIES

.LOW COST, HIGH RELIABILITY .105°C OUTPUT CAPACITOR		.MAI	N OUTPU	T REMOT	C OUTPUT E SENSE							
INTERNATIONAL AC INPUT RANGE HIGH EFFICIENCY, LOW WORKING TEMPE SOFT-START CIRCUIT, LIMITING AC SURG SHORT CIRCUIT, OVERLOAD, OVER VOLT	E CURRE	NT	VER GOC	id and Fa	AIL SIGNA	L						
MODEL OP-375-5A OP-375-5B OP-375-5C												
SPECIFICATION	CH1 CH2 CH3 CH4							CH4				CH4
DC OUTPUT VOLTAGE	+5V	+12V	12V	12V	+5V	+12V	12V	5V	+5V	+12V	15V	15\
OUTPUT V. TOLERANCE	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±19
OUTPUT RATED CURRENT	30A	10A	6A	3A	30A	10A	6A	3A	30A	9A	4A	4A
OUTPUT CURRENT RANGE	3.5-40A	0-10A	0-6A	0-3A	3.5-40A	0-10A	0-6A	0-3A	3.5-40A	0-9A	0-4A	0-4/
PEAK CURRENT	40A	16A	6A	3A	40A	16A	6A	3A	40A	16A	4A	4A
RIPPLE & NOISE (p-p)	100mV	150mV	150mV	50mV	100mV	120mV	120mV	50mV	100mV	150mV	150mV	240m
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.59
LOAD REGULATION	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8
DC OUTPUT POWER	<u>378W (max.)</u> <u>357W (max.)</u> <u>378W (max.)</u>											
EFFICIENCY		77% 77%							77%			
DC VOLTAGE ADJ.		CH1,2,3,4:+10,-5%					+10,-5%		CH1,2,3,4:+10,-5%			
INPUT VOLTAGE RANGE	85-264VAC 47-63Hz; 120-370VDC											
AC CURRENT	6A/115V 3A/230V											
POWER FACTOR	PF>0.95/230VAC, PF>0.98/115VAC											
OUTPUT GOOD/INPUT POWER FAIL	10ms/1ms											
INRUSH CURRENT	COLD START 45A											
LEAKAGE CURRENT	<pre></pre>											
OVERLOAD PROTECTION	105%-135% TYPE: PULSE BY PULSE RESET: AUTO RECOVERY											
OVER VOLTAGE PROTECTION	CH1:5.75-6.75V TYPE:SHUTDOWN											
OVER TEMP. PROTECTION	80°C-±5°C (TSW1)TYPE:SHUTDOWN RESET:AUTO RECOVERY											
REMOTE CONTROL	RC+/RC:0-0.8V POWER ON ; 4V-10V POWER OFF											
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)											
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms											
VIBRATION	10~500	łz, 2G 10r	min./1cycle	e, PERIOE	FOR 60m	nin. EACH	AXES					
WITHSTAND VOLTAGE	I/P-0/P:3	3KVAC I/F	P-FG:1.5K	VAC O/P-F	G:0.5KVA	кС						
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms											
WORKING TEMP., HUMIDITY	-10°C~+	60∘C(REF	ER TO Ol	JTPUT DE	RATING	CURVE), 2	20%~90%	RH				
STORAGE TEMP., HUMIDITY	-20°C~+	85∘C, 10%	~95% RF	ł								
DIMENSION	278*127*63.5mm											
WEIGHT	2.3Kgs											
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED											
EMC STANDARDS	CISPR22(EN55022) CLASS B, EN61000-4-2,3,4,5,6,8,11; ENV50204; EN61000-3-2,3 VERIFICATION											
NOTE: 1 ALL PARAMETERS ARE SPECIFIED AT 230VAC 2.TOLERANCE: INCLUDE SET UP TOLERANCE 3.RIPPLE & NOISE ARE MEASURED AT 20MH2B 4. LINE REGULATION IS MEASURED FROM L000 5.LOAD REGULATION IS MEASURED FROM 209 6.PEAK CURRENT CAN NOT EXCEED 605 SEC. 7.EACH OUTPUT PROVIDE UP TO MAXIMUM CU 8.ISOLATED CH3 & CH4 MAYBE SERIES CONNEC	, LINE REGULA 7 USING A 12" T LINE TO HIGH 5 TO 100% RAT RRENT, BUT T	ATION, LOAD I WISTED PAIR LINE AT RATE ED LOAD, AN	REGULATION TERMINATED ED LOAD. D OTHER OUT AN NOT EXCE	WITH A 0.1uF PUT AT 60% F ED MAX. OUTF	ATED LOAD. PUT POWER.	ITOR.					20	02-09-2





QP-375 SERIES

.LOW COST, HIGH RELIABILITY .105°C OUTPUT CAPACITOR .INTERNATIONAL AC INPUT RANGE .HIGH EFFICIENCY, LOW WORKING TEMPE .SOFT-START CIRCUIT, LIMITING AC SURGE .SHORT CIRCUIT, OVERLOAD, OVER VOLT	RATURE E CURRENT	ISOLATE CH3 MAIN OUTPUT POWER GOOI	REMOTE SE	NSE							
MODEL OP-375-5D OP-375-5E											
SPECIFICATION	CH1	CH2	СНЗ	CH4	CH1	CH2	CH3	CH4			
DC OUTPUT VOLTAGE	+5V	+12V	12V	24V	+5V	+12V	24V	24V			
OUTPUT V. TOLERANCE	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%			
OUTPUT RATED CURRENT	30A	9A	4A	3A	30A	9A	3A	2A			
OUTPUT CURRENT RANGE	3.5-40A	0-9A	0-4A	0-3A	3.5-40A	0-9A	0-3A	0-2A			
PEAK CURRENT	40A	16A	6A	3A	40A	16A	4A	3A			
RIPPLE & NOISE	100mVp-p	120mVp-p	120mVp-p	240mVp-p	100mVp-p	120mVp-p	120mVp-p	240mVp-p			
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%			
LOAD REGULATION	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%	±0.8%			
DC OUTPUT POWER	378W (max.) 378W (max.)										
EFFICIENCY		78	%		78%						
DC VOLTAGE ADJ.		CH1,2,3,4	:+10,-5%		CH1,2,3,4:+10,-5%						
INPUT VOLTAGE RANGE	85~264VAC 47~63Hz; 120~370VDC										
AC CURRENT	6A/115V 3A/230V										
POWER FACTOR	PF>0.95/230VAC, PF>0.98/115VAC										
OUTPUT GOOD/INPUT POWER FAIL	10ms/1ms										
INRUSH CURRENT	COLD START 45A										
LEAKAGE CURRENT	<2mA/240VAC										
OVERLOAD PROTECTION	105%~135% TYPE: PULSE BY PULSE RESET: AUTO RECOVERY										
OVER VOLTAGE PROTECTION	CH1:5.75-6.75V TYPE:SHUTDOWN										
OVER TEMP. PROTECTION	80°C-±5°C (TSW1)TYPE:SHUTDOWN RESET:AUTO RECOVERY										
REMOTE CONTROL	RC+/RC:0-0.8V POWER ON ; 4V~10V POWER OFF										
TEMP. COEFFICIENT	±0.03% / °C (0-50°C)										
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms										
VIBRATION	10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES										
WITHSTAND VOLTAGE	I/P-0/P:3KV/	AC I/P-FG:1.5K	VAC O/P-FG:0	5KVAC							
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms										
WORKING TEMP., HUMIDITY	-10°C~+60°C	(REFER TO OL	JTPUT DERAT	ING CURVE),	20%~90% RH						
STORAGE TEMP., HUMIDITY	-20°C~+85°C	, 10%~95% R⊦	1								
DIMENSION	278*127*63.5mm										
WEIGHT	2.3Kgs										
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED										
EMC STANDARDS	CISPR22(EN	55022) CLASS	B, EN61000-4-2	2,3,4,5,6,8,11; 6	ENV50204; EN6	51000-3-2,3 VE	RIFICATION				
NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT 2004AC1 2.TOLERANCE : INCLUDE SET UP TOLERANCE, 3.RIPPLE & NOISE ARE MEASURED AT 20MH2 BY 4.LINE REGULATION IS MEASURED FROM LOW 5.LOAD REGULATION IS MEASURED FROM 20% 6.PEAK CURRENT CAN NOT EXCEED 605EC. 7.EACH OUTPUT PROVIDE UP TO MAXIMUM CUI 8.ISOLATED CH3 & CH4 MAYBE SERIES CONNEC	LINE REGULATION, I USING A 12° TWISTEI LINE TO HIGH LINE A TO 100% RATED LOA RRENT, BUT TATAL LO	OAD REGULATION. D PAIR TERMINATED V FRATED LOAD. D, AND OTHER OUTF DAD CAN NOT EXCEE	MTH A 0.1uF & 47uF ( PUT AT 60% RATED L D MAX. OUTPUT PO	OAD.				2002-09-23			



6.PEAK CURRENT CAN NOT EXCEED 60 SEC.

## **MEAN WELL**

## SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER QP-375

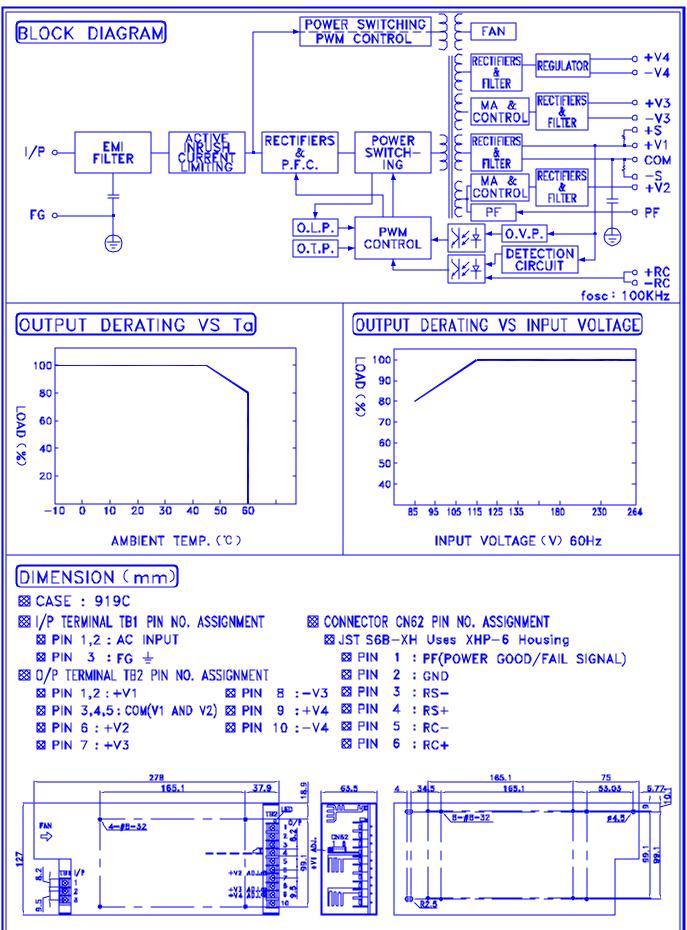
SERIES

2002-09-05

MANUFACTURER											
.LOW COST, HIGH RELIABILITY	TY .ISOLATE CH3 & CH4 DC OUTPUT										
.105° C OUTPUT CAPACITOR	.MAIN OUTPUT REMOTE SENSE										
INTERNATIONAL AC INPUT RAN	ANGE .POWER GOOD AND FAIL SIGNAL										
.HIGH EFFICIENCY, LOW WORKING TEMPERATURE											
.SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT											
.SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED											
MODEL		QP-3	75-24B		QP-375-24C						
SPECIFICATION	CH1 CH2 CH3 CH4 CH1 CH2 CH3										
DC OUTPUT VOLTAGE	+24V	+5V	12V	12V	+24V	+5V	15V	15V			
OUTPUT V. TOLERANCE	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%	± 1%			
OUTPUT RATED CURRENT	10A	10A	4A	4A	10A	10A	4A	4A			
OUTPUT CURRENT RANGE	1-10A	0-10A	0-4A	0-4A	1-10A	0-10A	0-4A	0-4A			
PEAK CURRENT	10A	16A	4A	4A	10A	16A	4A	4A			
RIPPLE & NOISE (p-p)	240mV	50mV	120mV	120mV	240mV	50mV	150mV	150mV			
LINE REGULATION	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%	± 0.5%			
LOAD REGULATION	± 0.8%	± 0.8%	± 0.8%	± 0.8%	± 0.8%	± 0.8%	± 0.8%	± 0.8%			
MAX. DC OUTPUT POWER	386W 410W										
EFFICIENCY	78% 80%										
DC VOLTAGE ADJ.	CH1,2,3,4: ± 10% CH1,2,3,4: ± 10%										
INPUT VOLTAGE RANGE	85~264VAC 47~63Hz; 120~370VDC										
ACCURRENT	6A/115V 3A/230V										
INRUSH CURRENT	COLD START 45A										
LEAKAGE CURRENT	<2mA/240VAC										
OVERLOAD PROTECTION	105%~135% TYPE:PULSE BY PULSE RESET:AUTO RECOVERY										
OVER VOLTAGE PROTECTION	CH1:27.6~32.4V TYPE:SHUTDOWN										
OVER TEMP. PROTECTION	80° C~ ± 5° C (TSW1)TYPE:SHUTDOWN RESET:AUTO RECOVERY										
TEMP. COEFFICIENT	± 0.03% /°C (0~50°C)										
SETUP, RISE, HOLD UP TIME	800ms, 50ms, 20ms										
POWER FACTOR	PF>0.95/230VAC, PF>0.98/115VAC										
REMOTE CONTROL	RC+/RC-:0~0.8V POWER ON ; 4V~10V POWER OFF										
OUTPUT GOOD/INPUT POWER FAIL	10ms/1ms										
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES										
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC										
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms										
WORKING TEMP., HUMIDITY											
STORAGE TEMP., HUMIDITY	-20° C~+85° C, 10%~95% RH										
DIMENSION	278*127*63.5mm										
WEIGHT	2.3Kgs										
SAFETY STANDARDS	UL1950, TUV EN60950 APPROVED										
EMC STANDARDS	CISPR22(EN55022) CLASS B, EN61000-4-2,3,4,5,6,8,11; ENV50204; EN61000-3-2,3 VERIFICATION										
NOTE: 1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25° C 70% RH. AMBIENT. 2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION. 3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12° TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR. 4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD. 5.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.											

7.EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TATAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER. 8.ISOLATED CH3 & CH4 MAYBE SERIES CONNECTED OR CAN BE USED AS POSITIVE OR NEGATIVE OUTPUTS.

QP-375-5 SERIES



QP-375-24 SERIES

