

Model name : SEE60N2-16.0*(1A702W-*)

Input Voltage (V)	MIN	90
	NOM	100
		240
	MAX	264

Output Current (A)	CH-1	
	16.0V	
	MIN	0.00
	NOM	3.75
	MAX(参考)	4.38

Ta	
MIN	0°C
NOM	25°C
MAX	40°C

Input Characteristics (1)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
90V	MIN	InputCurrent (mA)	6.516	6.492	6.468	--	--
		InputPower (W)	0.043	0.042	0.042	--	--
		PowerFactor	0.0729	0.0722	0.0715	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	InputCurrent (A)	1.294	1.294	1.295	--	--
		InputPower (W)	68.16	67.98	67.80	--	--
		PowerFactor	0.5848	0.5837	0.5824	--	--
		Efficiency (%)	87.68	87.81	87.90	--	--
100V	MIN	InputCurrent (mA)	7.068	7.032	7.008	--	--
		InputPower (W)	0.043	0.043	0.042	0.1W or less Ta=25°C	Good
		PowerFactor	0.0610	0.0610	0.0604	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	InputCurrent (A)	1.188	1.188	1.189	1.6A or less	Good
		InputPower (W)	67.56	67.38	67.20	--	--
		PowerFactor	0.5689	0.5674	0.5658	--	--
		Efficiency (%)	88.45	88.59	88.68	--	--
240V	MIN	InputCurrent (mA)	15.792	15.732	15.672	--	--
		InputPower (W)	0.058	0.058	0.060	0.1W or less Ta=25°C	Good
		PowerFactor	0.0154	0.0156	0.0159	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	InputCurrent (A)	0.709	0.710	0.710	--	--
		InputPower (W)	66.48	66.28	66.00	--	--
		PowerFactor	0.3930	0.3855	0.3861	--	--
		Efficiency (%)	89.86	90.03	90.26	--	--
264V	MIN	InputCurrent (mA)	17.364	17.304	17.244	--	--
		InputPower (W)	0.067	0.072	0.074	--	--
		PowerFactor	0.0150	0.0155	0.0159	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	InputCurrent (A)	0.667	0.684	0.692	--	--
		InputPower (W)	66.84	66.64	66.36	--	--
		PowerFactor	0.3796	0.3718	0.3629	--	--
		Efficiency (%)	89.37	89.54	89.77	--	--

Input Characteristics (2)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
--	NOM	Inrush Current (A) Vin=120V (Cold start) Vin=240V	--	83.6	--	150A _{o-p} 以下 (定格入出力, コールドスタート時)	Good
			--	92.0	--		
230V	NOM	Leakage Current (μA) HIOKI ST5541 : Network C (ON1), Peak, Input 50/60Hz	50Hz		60Hz	120uA or less (Vin 230V/50Hz)	Good
			95.70		111.00		

Output Characteristics (1)

	Ta	Input Voltage	Output Current	Result				Judge	
				16.0V					
Setup Voltage	NOM	100V	NOM	15.918				Good	
Output Voltage (V)	MIN	90V	MIN	16.217				Good	
		264V		16.220					
		90V	NOM		15.936				
		100V			15.936				
		240V			15.931				
		264V			15.929				
	90V	MAX		15.890					
	264V			15.885					
	NOM	90V	MIN		16.212				
		264V			16.213				
		90V	NOM		15.918				
		100V			15.918				
		240V			15.913				
		264V			15.911				
	90V	MAX		15.863					
	264V			15.859					
MAX	90V	MIN		16.202					
	264V			16.205					
	90V	NOM		15.892					
	100V			15.892					
	240V			15.886					
	264V			15.885					
90V	MAX		15.848						
264V			15.843						
Drift Temperature (V)		100V	NOM	0.018				--	
				-0.026					
Drift Time Effect (V)	NOM	100V	NOM	0.000				--	
				-0.013					
Total Regulation (V)				15.820				Good	
				~					
			16.231						
Specifications			14.400						
			~						
			17.600						

Output Characteristics (2)

	Ta	Input Voltage	Output Current	Result				Judge
				Input Frequency		Switching Frequency		
				16.0V		16.0V		
				Ripple	Noise	Ripple	Noise	
Ripple Voltage (mV)	MIN	90V	NOM	81	83			Good
	NOM	/		66	68			
	MAX	264V		60	62			
	Specification			500				

Protection

	Ta	Input Voltage	Output Current	Result				Judge
				16.0V				
Over Current Protection (A)	MIN	90V	--	5.75				Good
		264V		6.30				
	NOM	90V		5.75				
		264V		6.35				
	MAX	90V		5.75				
		264V		6.30				
Specifications			3.75A or more	--				
Over Voltage Protection (V)	MIN	264V	Half Load	24.200				Good
	NOM			24.200				
	MAX			24.150				
	Specifications (Ta NOM)			28V or less				

Others Characteristics

	Input Voltage	Output Current	Result	Specifications	Judge			
Low Temperature Power ON	90V	NOM	Test Condition : -15°C OK	0°C	Good			
High Temperature Power ON	90V	NOM	Test Condition : +80°C OK	40°C	Good			
Output Short and Short Power ON With OCP	90V / 264V	---	Ta	MIN	NOM	MAX	--	--
			16.0V	Shutdown (Latch Off)				
Output Short and Short Power ON With shorter	90V / 264V	---	Ta	MIN	NOM	MAX	--	--
			16.0V	Shutdown (Latch Off)				

Insulation

		Result	Specifications	Judge			
Hi-pot	Primary to Secondary (kV) Leak Current (mA)	--	100%	120%	Limit	3.0kV for 1min 3.6kV for 1sec 10mA or less	Good
		3.00	3.60	4.21	--		
		Pass	Pass	Pass	--		
Insulation Resistance (DC500V Mega)		Primary to Secondary : 1000 MΩ more than	50 MΩ min	Good			

Outside Noise Capability

	Input Voltage	Output Current	Result	Specifications	Judge
ESD (Electrostatic Discharge) C: 150pF, R: 330Ω	90V / 264V	MIN / MAX	Specification x 120%	±8kV(Contact) 10 times	Good
			Contact ±10 kV No Err		
EFT (Electrical Fast Transien/ Burst) Frequency : 5.0 kHz Duration : 60 Second	240V	MIN / MAX	Specification x 120%	±1kV No Error	--
			L1 ±1.2 kV No Error.No damage		
			L2 ±1.2 kV No Error.No damage		
			FG ±1.2 kV No Error.No damage		
			L1, L2 ±1.2 kV No Error.No damage		
			L1, FG ±1.2 kV No Error.No damage		
			L2, FG ±1.2 kV No Error.No damage		
L1, L2, FG ±1.2 kV No Error.No damage					
Lightning surge Impedance 2Ω , 1.2x50us	240V	NOM	Specification x 120%	L-N±1.0kV L-FG±2.0kV 5 times No Error	Good
			L-L ±1.2 kV No Err.No Damage		
			L-N ±1.2 kV Sample is Damage		