

# YA20-25

## Series



### 输入特性Input

	Min	Nom	Max	Notes
输入电压Vac Input Voltage	165(200Vdc) 85(100Vdc)	220	265(375Vdc) 265(375Vdc)	N W
输入频率Hz Input Frequency	45		65	

### 输出特性Output

输出电压精度 Setpoint Accuracy		± 1% ± 3%		Vo1 Vo2、Vo3
源效应 Line Regulation			± 0.2%	
负载效应 Load Regulation			± 0.5%	
纹波与噪声 Ripple and Noise			50mVp-p 100mVp-p 200mVp-p	Vo ≤ 5Vdc Other Vo ≥ 48Vdc
温度系数 Temperature Coefficient		± 0.1%/°C		

### 综合特性General

隔离电压 Isolation Voltage			2500Vac/1min/5mA 1500Vac/1min/5mA 500Vac/1min/5mA 1500Vac/1min/5mA	Input-Output Input-Case Output- Case Input-Output*
开关频率 Switching Frequency	66KHz		100KHz	
MTBF		3 × 10 <sup>5</sup> h		
工作壳温 Case Temperature	-10°C -25°C -40°C -40°C		+70°C +85°C +85°C +85°C	Commercial 商用级 Industry 工业级 Military AD 军品AD级 Military AG 军品AG级
储存温度 Storage Temperature	-40°C		+105°C	
相对湿度 Relative Humidity	10%		90%	
短路保护 Short-Circuit Protection	短路自恢复 Continuous, Automatic Recovery			

注1: \*只限于金属壳封装。

注2: YA20系列N档输入产品为商用级, 封装为塑壳。

注3: 其它均为工业级, 封装为金属壳。

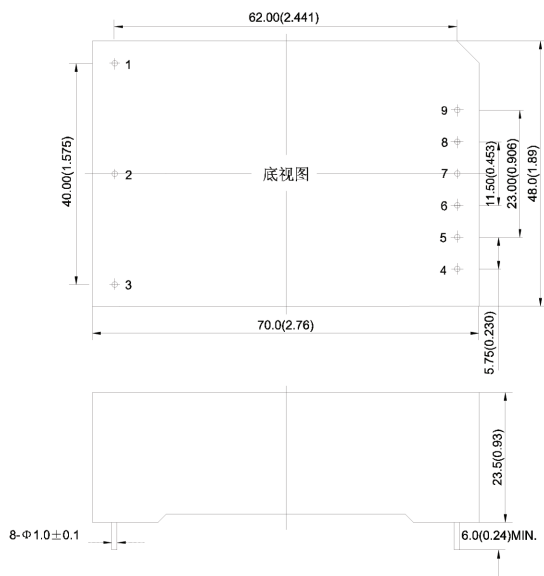
注4: 只有YAS25系列带有TRIM管脚。

	型号 Model	输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
			Vo1/Vo2/Vo3	Io1/Io2/Io3	
20W单路	YAS20-5-N	165~265	5.05	4	76%
	YAS20-12-N	165~265	12	1.67	76%
	YAS20-15-N	165~265	15	1.33	78%
	YAS20-24-N	165~265	24	0.83	78%
	YAS20-48-N	165~265	48	0.42	78%
	YAS20-5-W	85~265	5.05	5	77%
	YAS20-12-W	85~265	12	1.67	77%
	YAS20-15-W	85~265	15	1.33	78%
	YAS20-24-W	85~265	24	0.83	78%
	YAS20-48-W	85~265	48	0.42	78%
20W双路	YAD20-5-N	165~265	+5.05/-5.05	+2/-2	76%
	YAD20-12-N	165~265	+12/-12	+0.83/-0.83	76%
	YAD20-15-N	165~265	+15/-15	+0.67/-0.67	78%
	YAD20-24-N	165~265	+24/-24	+0.42/-0.42	78%
	YAD20-5-W	85~265	+5.05/-5.05	+2/-2	76%
	YAD20-12-W	85~265	+12/-12	+0.83/-0.83	76%
	YAD20-15-W	85~265	+15/-15	+0.67/-0.67	76%
	YAD20-24-W	85~265	+24/-24	+0.42/-0.42	78%
	YAD20-0505-NI	165~265	5/5	4/0.1	76%
	YAD20-0512-NI	165~265	5/12	3.8/0.1	76%
	YAD20-0515-NI	165~265	5/15	3.7/0.1	76%
	YAD20-0524-NI	165~265	5/24	3.5/0.1	76%
	YAD20-0505-WI	85~265	5/5	4/0.1	76%
	YAD20-0512-WI	85~265	5/12	3.8/0.1	76%
	YAD20-0515-WI	85~265	5/15	3.7/0.1	76%
	YAD20-0524-WI	85~265	5/24	3.5/0.1	76%
	YAD20-05H05-NI	165~265	5/5	3.8/0.2	76%
	YAD20-05H12-NI	165~265	5/12	3.5/0.2	76%
	YAD20-05H15-NI	165~265	5/15	3.4/0.2	76%
	YAD20-05H24-NI	165~265	5/24	3/0.2	76%
	YAD20-05H05-WI	85~265	5/5	3.8/0.2	76%
	YAD20-05H12-WI	85~265	5/12	3.5/0.2	76%
	YAD20-05H15-WI	85~265	5/15	3.4/0.2	76%
	YAD20-05H24-WI	85~265	5/24	3/0.2	76%
	YAD20-05V05-NI	165~265	5/5	3/1	76%
	YAD20-05V12-NI	165~265	5/12	2.1/0.8	76%
	YAD20-05V15-NI	165~265	5/15	2.2/0.6	76%
	YAD20-05V24-NI	165~265	5/24	2.6/0.3	76%
	YAD20-05V05-WI	85~265	5/5	3/1	76%
	YAD20-05V12-WI	85~265	5/12	2.1/0.8	76%
YAD20-05V15-WI	85~265	5/15	2.2/0.6	76%	
YAD20-05V24-WI	85~265	5/24	2.6/0.3	76%	
20W三路	YAT20-0505-NI	165~265	5/+5/-5	3.8/+0.1/-0.1	75%
	YAT20-0512-NI	165~265	5/+12/-12	3.5/+0.1/-0.1	76%
	YAT20-0515-NI	165~265	5/+15/-15	3.4/+0.1/-0.1	76%
	YAT20-0524-NI	165~265	5/+24/-24	3.0/+0.1/-0.1	76%
	YAT20-0505-WI	85~265	5/+5/-5	3.8/+0.1/-0.1	75%
	YAT20-0512-WI	85~265	5/+12/-12	3.5/+0.1/-0.1	76%
	YAT20-0515-WI	85~265	5/+15/-15	3.4/+0.1/-0.1	76%
	YAT20-0524-WI	85~265	5/+24/-24	3.0/+0.1/-0.1	76%

	型号 Model	输入电压(Vac) Input Voltage	输出电压(Vdc)	输出电流(A)	效率 Efficiency	
			Output Voltage	Output Current		
		Vo1/Vo2/Vo3		Io1/Io2/Io3		
20W三路	YAT20-05H05-NI	165~265	5/+5/-5	3.6/+0.2/-0.2	75%	
	YAT20-05H12-NI	165~265	5/+12/-12	3.0/+0.2/-0.2	76%	
	YAT20-05H15-NI	165~265	5/+15/-15	2.8/+0.2/-0.2	76%	
	YAT20-05H24-NI	165~265	5/+24/-24	2.1/+0.2/-0.2	76%	
	YAT20-05H05-WI	85~265	5/+5/-5	3.6/+0.2/-0.2	75%	
	YAT20-05H12-WI	85~265	5/+12/-12	3.0/+0.2/-0.2	76%	
	YAT20-05H15-WI	85~265	5/+15/-15	2.8/+0.2/-0.2	76%	
	YAT20-05H24-WI	85~265	5/+24/-24	2.1/+0.2/-0.2	76%	
	YAT20-05V05-NI	165~265	5/+5/-5	2.4/+0.8/-0.8	75%	
	YAT20-05V12-NI	165~265	5/+12/-12	2.1/+0.4/-0.4	76%	
	YAT20-05V15-NI	165~265	5/+15/-15	2.2/+0.3/-0.3	76%	
	YAT20-05V05-WI	85~265	5/+5/-5	2.4/+0.8/-0.8	75%	
	YAT20-05V12-WI	85~265	5/+12/-12	2.1/+0.4/-0.4	76%	
	YAT20-05V15-WI	85~265	5/+15/-15	2.2/+0.3/-0.3	76%	
25W单路	YAS25-5-N	165~265	5.05	5	76%	
	YAS25-12-N	165~265	12	2.08	77%	
	YAS25-15-N	165~265	15	1.67	78%	
	YAS25-24-N	165~265	24	1.04	78%	
	YAS25-48-N	165~265	48	0.52	79%	
	YAS25-5-W	85~265	5.05	5	76%	
	YAS25-12-W	85~265	12	2.08	77%	
	YAS25-15-W	85~265	15	1.67	78%	
	YAS25-24-W	85~265	24	1.04	78%	
	YAS25-48-W	85~265	48	0.52	79%	
25W双路	YAD25-5-N	165~265	+5.05/-5.05	+2.5/-2.5	77%	
	YAD25-12-N	165~265	+12/-12	+1.04/-1.04	79%	
	YAD25-15-N	165~265	+15/-15	+0.83/-0.83	79%	
	YAD25-24-N	165~265	+24/-24	+0.52/-0.52	79%	
	YAD25-5-W	85~265	+5.05/-5.05	+2.5/-2.5	77%	
	YAD25-12-W	85~265	+12/-12	+1.04/-1.04	79%	
	YAD25-15-W	85~265	+15/-15	+0.83/-0.83	79%	
	YAD25-24-W	85~265	+24/-24	+0.52/-0.52	79%	
	YAD25-0505-NI	165~265	5/5	5/0.1	76%	
	YAD25-0512-NI	165~265	5/12	4.8/0.1	76%	
	YAD25-0515-NI	165~265	5/15	4.7/0.1	76%	
	YAD25-0524-NI	165~265	5/24	4.5/0.1	76%	
	YAD25-0505-WI	85~265	5/5	5/0.1	76%	
	YAD25-0512-WI	85~265	5/12	4.8/0.1	76%	
	YAD25-0515-WI	85~265	5/15	4.7/0.1	76%	
	YAD25-0524-WI	85~265	5/24	4.5/0.1	76%	

型号 Model	输入电压(Vac) Input Voltage	输出电压(Vdc) Output Voltage	输出电流(A) Output Current	效率 Efficiency
		Vo1/Vo2/Vo3	Io1/Io2/Io3	
25W双路				
YAD25-05H05-NI	165~265	5/5	4.8/0.2	76%
YAD25-05H12-NI	165~265	5/12	4.5/0.2	76%
YAD25-05H15-NI	165~265	5/15	4.4/0.2	76%
YAD25-05H24-NI	165~265	5/24	4/0.2	76%
YAD25-05H05-WI	85~265	5/5	4.8/0.2	76%
YAD25-05H12-WI	85~265	5/12	4.5/0.2	76%
YAD25-05H15-WI	85~265	5/15	4.4/0.2	76%
YAD25-05H24-WI	85~265	5/24	4/0.2	76%
YAD25-05V05-NI	165~265	5/5	3.5/1.5	76%
YAD25-05V12-NI	165~265	5/12	3/1	76%
YAD25-05V15-NI	165~265	5/15	3.5/0.5	76%
YAD25-05V24-NI	165~265	5/24	3.5/0.3	76%
YAD25-05V05-WI	85~265	5/5	3.5/1.5	76%
YAD25-05V12-WI	85~265	5/12	3/1	76%
YAD25-05V15-WI	85~265	5/15	3.5/0.5	76%
YAD25-05V24-WI	85~265	5/24	3.5/0.3	76%
25W三路				
YAT25-05H12-NI	165~265	5/+12/-12	4/+0.2/-0.2	76%
YAT25-05H15-NI	165~265	5/+15/-15	3.8/+0.2/-0.2	76%
YAT25-05H24-NI	165~265	5/+24/-24	3.1/+0.2/-0.2	76%
YAT25-05H12-WI	85~265	5/+12/-12	4/+0.2/-0.2	76%
YAT25-05H15-WI	85~265	5/+15/-15	3.8/+0.2/-0.2	76%
YAT25-05H24-WI	85~265	5/+24/-24	3.1/+0.2/-0.2	76%
YAT25-05V05-NI	165~265	5/+5/-5	3.4/+0.8/-0.8	76%
YAT25-05V12-NI	165~265	5/+12/-12	3.1/+0.4/-0.4	76%
YAT25-05V15-NI	165~265	5/+15/-15	2.6/+0.4/-0.4	76%
YAT25-05V24-NI	165~265	5/+24/-24	2.6/+0.25/-0.25	76%
YAT25-05V05-WI	85~265	5/+5/-5	3.4/+0.8/-0.8	76%
YAT25-05V12-WI	85~265	5/+12/-12	3.1/+0.4/-0.4	76%
YAT25-05V15-WI	85~265	5/+15/-15	2.6/+0.4/-0.4	76%
YAT25-05V24-WI	85~265	5/+24/-24	2.6/+0.25/-0.25	76%

## 产品示意图



## 管脚定义

定义	单路	均载双路	非均载双路	叁路
1	L	L	L	L
2	N	N	N	N
3	FG	FG	FG	FG
4	TRIM	NP	NP	NP
5	-Vo	-Vo	-Vo1	-Vo1
6	NP	NP	+Vo1	+Vo1
7	NP	COM	NC	Vo3
8	NP	NP	-Vo2	COM
9	+Vo	+Vo	+Vo2	Vo2

金属壳尺寸(mm) : 72.0\*49.5\*23.5