

AC-DC concurrently DC-DC/ AC and DC Universal power converter



Output characteristics:

The built-in EMI filtering unit, has an over-current, over voltage (according to your requirements) and output short circuit.Overload, overheating, protection circuit (eliminating short circuit, overload, overload automatically eliminate)Ripple / noise (20MHZ): 50mVp-p max., 40KHZ-150KHZ switching frequency

General characteristic:

Source effect: the input voltage from the low to high, the insulation resistance of 10000000000 Ω

Mean time between failure (MTBF) 2000000h

Temperature coefficient is $\leq \pm 0.03\%$ $^{\circ}\text{C}$, hold time: 20ms (full load of typical value)

Isolation voltage: 2000VAC 5mA, 1min.

Operating temperature: industrial grade: $-25 \sim +55^{\circ}\text{C}$, military grade- $40 \sim +85^{\circ}\text{C}$,

Storage temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Response time: load change for every 30%, the rate of change of 1A/us, response time is 1ms

Shell: high flame retardant, metal aluminum shell / purple copper package

Max shell temperature : 85°C , relative temperature; 10%~90%

48size Single / Dual Common output type product type and pin diagram:

Single / Dual Common output type AC220S(D)XXDC-XW product type ,Can achieve power: 3W 、 6WMax

(Customers can request custom tailor-made products for different pins and related parameters)

Single Output

48.00*36.00*22.00 size converter power
pin diagram

Pin	1	2	3	4	8
Function	L(+)	N(-)	FG	+XXVDC	OV

Dual output

48.00*36.00*22.00size converter power
pin diagram

Pin	1	2	3	4	6	8
Function	L(+)	N(-)	FG	+XXVDC	+COM	-XXVDC

Series Models:

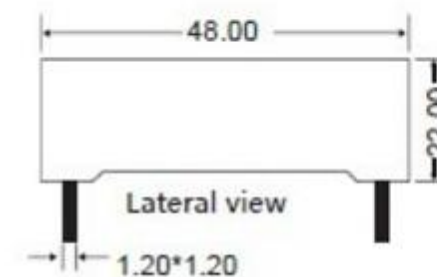
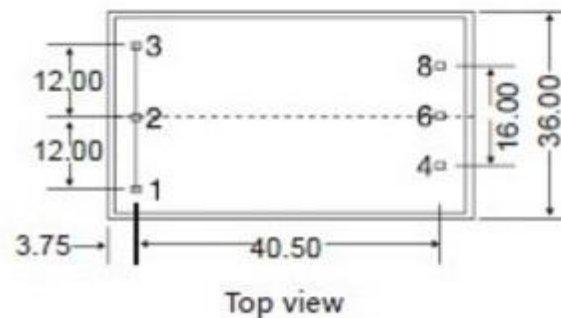
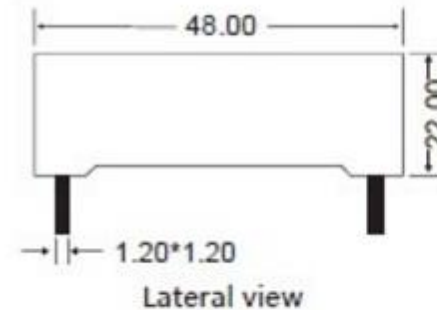
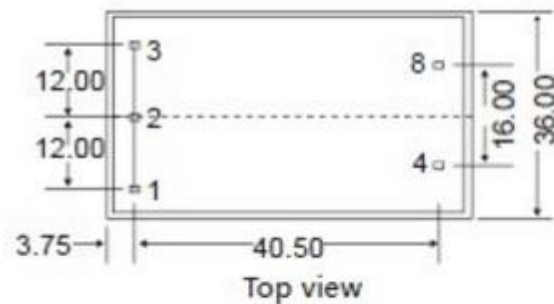
Model	Input voltage (V)	Output voltage ($V_o \pm 2\%$)	Load current (mA)	Efficiency	Weight (g) ± 0.5	Certifi- cation
AC220S3.3DC-3W	85-265VAC (90-360VDC)	3.3	909	$\geq 77\%$	37	RoHS
AC220S05DC-3W		5	600	$\geq 77\%$	37	
AC220S12DC-3W		12	250	$\geq 79\%$	37	
AC220S15DC-3W		15	200	$\geq 81\%$	37	
AC220S24DC-3W		24	125	$\geq 80\%$	37	
AC220S3.3DC-6W		3.3	1818	$\geq 77\%$	37	
AC220S05DC-6W		5	1200	$\geq 77\%$	37	
AC220S12DC-6W		12	500	$\geq 79\%$	37	
AC220S15DC-6W		15	400	$\geq 81\%$	37	
AC220S24DC-6W		24	250	$\geq 80\%$	37	
AC220S48DC-6W		48	125	$\geq 80\%$	37	
AC220D3.3DC-3W	85-265VAC (90-360VDC)	± 3.3	± 455	$\geq 77\%$	37	
AC220D05DC-3W		± 5	± 300	$\geq 77\%$	37	
AC220D12DC-3W		± 12	± 125	$\geq 79\%$	37	
AC220D15DC-3W		± 15	± 100	$\geq 81\%$	37	
AC220D24DC-3W		± 24	± 62.5	$\geq 80\%$	37	
AC220D3.3DC-6W		± 3.3	± 909	$\geq 77\%$	37	
AC220D05DC-6W		± 5	± 600	$\geq 77\%$	37	
AC220D12DC-6W		± 12	± 250	$\geq 79\%$	37	
AC220D15DC-6W		± 15	± 200	$\geq 81\%$	37	
AC220D24DC-6W		± 24	± 125	$\geq 80\%$	37	

48size Single / Dual Common output type product type and pin diagram:

Single / Dual Common output type AC220S(D)XXDC-XW product type ,Can achieve power: 3W 、 6WMax

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■Appearance size and pin definition



Single Output

48.00*36.00*22.00 size converter power
pin diagram

Pin	1	2	3	4	8
Function	L(+)	N(-)	FG	+XXVDC	OV

Dual output

48.00*36.00*22.00size converter power
pin diagram

Pin	1	2	3	4	6	8
Function	L(+)	N(-)	FG	+XXVDC	+COM	-XXVDC

Series Models:

Model	Input voltage (V)	Output voltage ($V_o \pm 2\%$)		Load current(mA)		Efficiency	Weight (g) ± 0.5	Certifi- cation
AC220TD0505DC-6W	85-265VAC (90-360VDC)	5	05	900	300	$\geq 72\%$	37	RoHS
AC220TD0512DC-6W		5	12	600	250	$\geq 72\%$	37	
AC220TD0512DC-6W		5	12	400	330	$\geq 72\%$	37	
AC220TD0512DC-6W		5	12	300	300	$\geq 72\%$	37	
AC220TD0524DC-6W		5	24	500	150	$\geq 72\%$	37	
AC220TD0524DC-6W		5	24	600	100	$\geq 72\%$	37	
AC220TD1205DC-6W		12	05	250	600	$\geq 76\%$	37	
AC220TD1212DC-6W		12	12	300	100	$\geq 72\%$	37	
AC220TD2405DC-6W		24	05	130	600	$\geq 76\%$	37	
AC220TD2412DC-6W		24	12	130	250	$\geq 76\%$	37	
AC220TD2424DC-6W		24	24	130	130	$\geq 76\%$	37	

Application Fields:

Industrial control and remote DC power supply system, switching system, A/D and D/A, railway communication, communication interface converter, cellphone, semiconductor laser, display screens, monitoring equipment, petrochemical, portable instrument, medical instruments, automatic control device, burglar alarm, handheld instrument, digital circuit, IC card power meter, air conditioning computer controller, etc.

Quality Policy:

Seeking survival on quality, building reputation on service, increasing efficiency on management and making greater achievements on innovation.

Company Products:

DC-DC power converter(range of power:0.1-200W)

AC-DC power converter(range of power:0.1-60W)

LED drive power supply and related specific field special products

After-sales service:

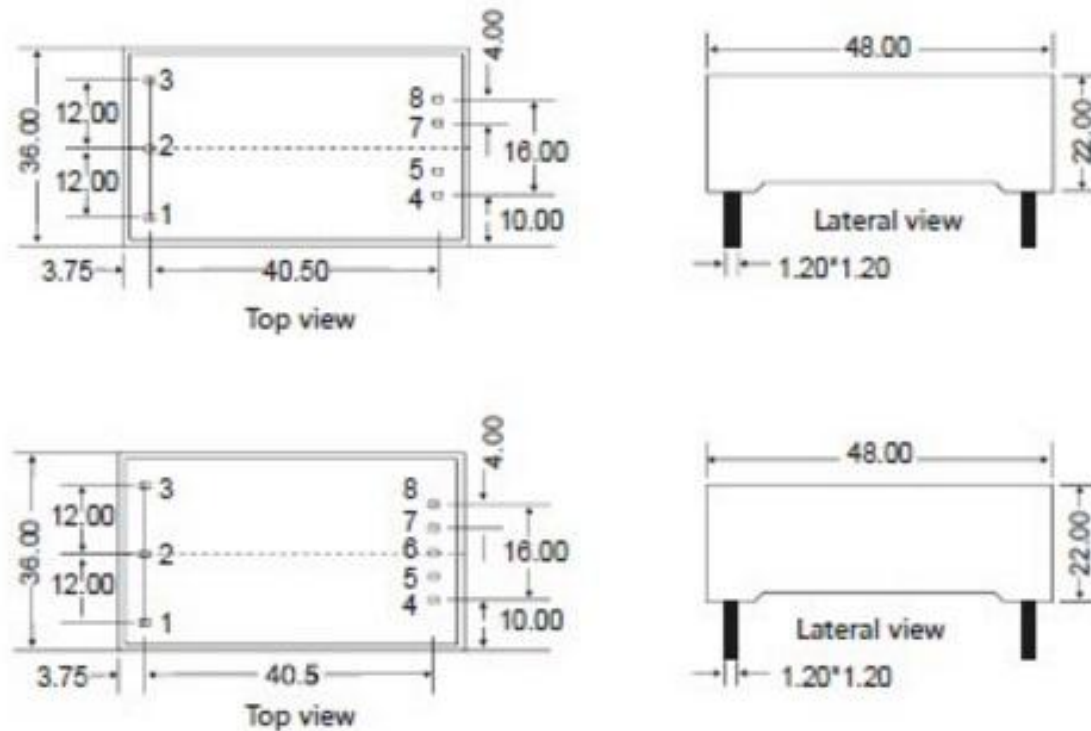
From the date of purchase, if occurrence quality problem within two years, can be replaced

Products' management and produce strict do as ISO9001:2008 standard.

48size Dual uncoen-ground output type product type and pin diagram:

Dual uncoen-ground output type AC220TDXXDC-XW product type ,Can achieve power: 3W 、 6WMax(Customers can request custom tailor-made products for different pins and related parameters)

■ Appearance size and pin definition



48.00*36.00*22.00size converter power pin diagram

Pin	1	2	3	4	5	7	8
Function	L(+)	N(-)	FG	+XXVDC2	+OV2	+XXVDC1	OV1