

Manuale di installazione

- **Tipo: Adattatori (Serie: GE, GEM, GS, GSM, GST, OWA, SGA, SGAS, GP, GC, NGE)**

- **Introduzione**

Gli adattatori sono una tipologia di alimentatori progettati per essere connessi esternamente alle strumentazioni elettriche. Gli adattatori Mean Well sono di tipo Desktop, Wall Mount e Medicali.

- **Installazione**

- (1) Prima di collegare il connettore DC dell'adattatore all'apparecchiatura, si consiglia di scollegarlo dall'alimentazione alternata AC e verificare che il voltaggio sia corretto ed all'interno del range previsto.
- (2) Mantenere serrato il collegamento tra l'adattatore e il cavo di alimentazione, e collegare in maniera opportuna il connettore DC alle apparecchiature.
- (3) Proteggere il cavo di alimentazione affinché non venga calpestato o schiacciato.
- (4) Mantenere una buona ventilazione per l'adattatore per prevenire surriscaldamenti. Inoltre, devono essere rispettati 10-15cm di distanza dal dispositivo adiacente qualora esso sia una fonte di calore.
- (5) Si raccomanda di utilizzare un cavo di alimentazione approvato maggiore o uguale a SVT, 3G×18AWG or H03VV-F, 3G×0.75mm².
- (6) Se l'apparecchiatura finale non dovesse essere usata per lunghi periodi di tempo, disconnetterla dall'alimentazione per prevenire danni causati da picchi di voltaggio o fulmini.
- (7) Per altre interazioni e dettagli sui prodotti, fare riferimento al sito www.meanwell.com

- **Attenzione!!**

- (1) Rischio di scosse elettriche. Tutti i guasti devono essere esaminati da un tecnico qualificato. Si prega di non rimuovere da soli la custodia dell'adattatore!
 - (2) Rischio di incendio o scossa elettrica. Le aperture devono essere protette da oggetti estranei o gocciolamento di liquidi.
 - (3) L'uso di un connettore CC errato o l'inserimento di un connettore CC in un dispositivo elettronico può danneggiare il dispositivo o causare un malfunzionamento. Fare riferimento alle interazioni sulla compatibilità della spina CC mostrate nelle schede delle specifiche.
 - (4) Gli adattatori devono essere posizionati su una superficie stabile. Una caduta potrebbe causare danni.
 - (5) Non mettere gli adattatori in luoghi con elevata umidità o vicino all'acqua.
 - (6) Non posizionare gli adattatori in luoghi con temperatura ambiente elevata o vicino a fiamme vive. Riguardo alla temperatura ambiente massima, fare riferimento alle specifiche tecniche.
 - (7) La corrente di uscita e il wattaggio di uscita non devono superare i valori nominali sulle specifiche.
 - (8) Scollegare l'unità dalla presa di alimentazione prima della pulizia. Non utilizzare detergenti liquidi o aerosol. Utilizzare solo un panno umido per pulirlo.
- (9) Attenzione:
- (a) Per le apparecchiature che utilizzano adattatori certificati BSMI, l'involucro delle apparecchiature circostanti deve essere conforme al livello "V1" (o superiore), parametri di infiammabilità.
 - (b) Il funzionamento di questa apparecchiatura in un ambiente residenziale potrebbe causare interferenze radio.

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- (10) Contattare i riciclatori qualificati locali quando si desidera smaltire questo prodotto.
- (11) Questo dispositivo è conforme alla Parte 15 delle norme FCC. Il funzionamento è soggetto alle due condizioni seguenti:
 - (a) Questo dispositivo non può causare interferenze dannose e
 - (b) Questo dispositivo deve accettare qualsiasi interferenza ricevuta, comprese le interferenze che potrebbero causare un funzionamento indesiderato.
- (12) Solo per GST360A/B: superfici che non devono essere toccate per far funzionare l'apparecchiatura (tempo di contatto < 1 s).
- (13) Solo per NGE: Per indicare che l'alimentatore non deve essere utilizzato, se i pin della parte della spina sono danneggiati.

● Efficienza Energetica

Model identifier	GST18A/B/E/U(05/07/09/12/15/18/24/28/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/28.0/48.0 (V)
Output current	3.0/2.0/2.0/1.5/1.2/1.0/0.75/0.64/0.375 (A)
Output power	15.0W for 5.0/7.0V output 18.0W for other
Average active efficiency	>81.39% for 5V, >85.0% for other
Efficiency at low load (10 %)	>81.6% (typ)
No-load power consumption	<0.10W

Model identifier	GST25A/B/E/U(05/07/09/12/15/18/24/28/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/28.0/48.0 (V)
Output current	4.0/2.93/2.55/2.08/1.66/1.38/1.04/0.89/0.52(A)
Output power	20.0W for 5.0V, 22.0W for 7.5V, 23.0W for 9.0V, 25.0W for other
Average active efficiency	>83.35% for 5V, >86.35% for other
Efficiency at low load (10 %)	>81.7%(typ)
No-load power consumption	<0.10W

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Model identifier	GST36B/E/U(05/09/12/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/24.0/48.0 (V)
Output current	4.3/3.11/3.0/1.5/0.75(A)
Output power	21.5W for 5.0V, 28.0W for 9.0V, 36.0W for other
Average active efficiency	>83.6% for 5V, >87.4% for other
Efficiency at low load (10 %)	>82.4%(typ)
No-load power consumption	<0.10W

Model identifier	GST40A(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	5.0/5.34/4.45/3.34/2.67/2.22/1.67/0.84 (A)
Output power	25.0W for 5.0V 40.0W for other
Average active efficiency	>83.46% for 5V, >87.59% for other
Efficiency at low load (10 %)	>84.54%(typ)
No-load power consumption	<0.10W

Model identifier	GST60A(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	6.0/6.0/6.0/5.0/4.0/3.33/2.5/1.25(A)
Output power	30.0W for 5.0V, 45.0W for 7.5V, 54.0 W for 9.0V, 60.0W for other
Average active efficiency	>85.07% for 5V, > 88% for other
Efficiency at low load (10 %)	>85.0%(typ)
No-load power consumption	<0.21W

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Model identifier	GST90A(12/15/19/24/48)-P1M
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/19.0/24.0/48.0 (V)
Output current	6.67/6.0/4.74/3.75/1.87(A)
Output power	80.0W for 12.0V, 90.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>86.1 %(typ)
No-load power consumption	<0.21W

Model identifier	GST120A(12/15/20/24/48)-R7B/P1M
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/48.0 (V)
Output current	8.5/7.0/6.0/5.0/2.5(A)
Output power	102.0W for 12.0V, 105.0W for 15.0V, 120.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>86.5 %(typ)
No-load power consumption	<0.21W

Model identifier	GST160A(12/15/20/24/48)-R7B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/36.0/48.0 (V)
Output current	11.5/9.6/8.0/6.67/4.44/3.34(A)
Output power	138.0W for 12.0V, 144.0W for 15.0V, 160.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>80.0 %(typ)
No-load power consumption	<0.21W

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Model identifier	GST220A(12/15/20/24/36/48)-R7B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/36.0/48.0 (V)
Output current	15.0/13.4/11.0/9.2/6.1/4.6(A)
Output power	180.0W for 12.0V, 201.0W for 15.0V, 220.0W for 20.0V, 221.0W for 24.0V, 219.6W for 36.0V, 221.0W for 48.0V
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>80.0 %(typ)
No-load power consumption	<0.21W

Model identifier	GST280A(12/15/20/24/48)-C6P
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/48.0(V)
Output current	21.0/17.0/13.0/11.67/5.84(A)
Output power	252.0W for 12.0V,255.0W for 15.0V, 260.0W for 20.0V,280.08W for 24.0V , 280.32W for 48.0V
Average active efficiency	>89.5%
Efficiency at low load (10 %)	>82.5% (typ)
No-load power consumption	<0.50W

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Model identifier	GST360A/B(12/15/24/36/48/55)-C6P/C8P
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/24.0/36.0/48.0/55.0 (V)
Output current	27.5/22.7/15.0/10.0/7.5/6.55 (A)
Output power	330.0W for 12.0V output, 340.5W for 15.0V output 360.0W for other
Average active efficiency	>88.0%
Efficiency at low load (10 %)	>82.5% (typ)
No-load power consumption	<0.50W

Model identifier	SGAS06E/U(05/07/09/12/15/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/24.0/48.0(V)
Output current	1.0/0.8/0.66/0.5/0.4/0.25/0.125(A)
Output power	5.0W for 5.0V, 6W for other
Average active efficiency	>75.91% for 5V, >81.27% for other
Efficiency at low load (10 %)	>72.22%(typ)
No-load power consumption	<0.10W

Model identifier	SGAS15A/B/E/U (05/09/12/15/24)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/24.0(V)
Output current	2.4/1.66/1.25/1.0/0.625(A)
Output power	12.0W for 5.0V, 15W for other
Average active efficiency	>81.60% for 5V, >84.92% for other
Efficiency at low load (10 %)	>79.85%(typ)
No-load power consumption	<0.10W

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Model identifier	SGAS60E/U (05/12/15/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/12.0/15.0/24.0/48.0(V)
Output current	6.0/5.0/4.0/2.5/1.25(A)
Output power	30.0W for 5.0V, 60W for other
Average active efficiency	>86.22% for 5V, >89.02% for other
Efficiency at low load (10 %)	>84.59%(typ)
No-load power consumption	<0.15W

Nota:

La serie GSM è conforme alla normativa medica 60601-1. I seguenti parametri di efficienza sono riportati solamente come riferimento delle prestazioni.

Model identifier	GSM06E/U(05/06/07/09/12/15/18/24)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/6.0/7.5/9.0/12.0/15.0/18.0/24.0(V)
Output current	1.2/1.0/0.8/0.66/0.5/0.4/0.33/0.25(A)
Output power	6.0W for all
Average active efficiency	>68% for 5.0V, > 74% for other
Efficiency at low load (10 %)	>65% (typ)
No-load power consumption	<0.30W

Model identifier	GSM12U05-P1J/USB,GSM12E/U(07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0(V)
Output current	2.4/1.6/1.33/1.0/0.8/0.66/0.5/0.25(A)
Output power	12.0W for all
Average active efficiency	>80.0%
Efficiency at low load (10 %)	>78% (typ)
No-load power consumption	<0.075W(<0.1W for 18V/48V)

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Model identifier	GSM18B/E/U(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0//48.0 (V)
Output current	3.0/2.0/2.0/1.5/1.2/1.0/0.75/0.375 (A)
Output power	15.0W for 5.0/7.0V output, 18.0W for other
Average active efficiency	>81.39% for 5V, >85.0% for other
Efficiency at low load (10 %)	>81.6% (typ)
No-load power consumption	<0.10W

Model identifier	GSM25B/E/U(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	4.0/2.93/2.55/2.08/1.66/1.38/1.04/0.52(A)
Output power	20.0W for 5.0V, 22.0W for 7.5V, 25.0W for other
Average active efficiency	>83.35% for 5V, >86.35% for other
Efficiency at low load (10 %)	>81.7%(typ)
No-load power consumption	<0.10W

Model identifier	GSM36B/E/U(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	4.5/4.32/4.0/3.0/2.4/2/1.5/0.75(A)
Output power	22.5W for 5.0V, 32.4W for 7.0V, 36.0W for other
Average active efficiency	>83.6% for 5V, >87.4% for other
Efficiency at low load (10 %)	>82.4%(typ)
No-load power consumption	<0.10W

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Model identifier	GSM40A/B(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	5.0/5.34/4.45/3.34/2.67/2.22/1.67/0.84 (A)
Output power	25.0W for 5.0V, 40.0W for other
Average active efficiency	>83.46% for 5V, >87.59% for other
Efficiency at low load (10 %)	>84.54%(typ)
No-load power consumption	<0.10W

Model identifier	GSM60A/B/E/U(05/07/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	6.0/6.0/5.5/4.5/4/3.33/2.5/1.25(A)
Output power	30.0W for 5.0V, 45.0W for 7.5V, 49.5 W for 9.0V, 54.0W for 12V, 60W for other
Average active efficiency	>85.07% for 5V, > 88% for other
Efficiency at low load (10 %)	>85.0%(typ)
No-load power consumption	<0.21W

Model identifier	GSM90A/B(12/15/19/24/48)-P1M
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/19.0/24.0/48.0 (V)
Output current	6.67/6.0/4.74/3.75/1.87(A)
Output power	80.0W for 12.0V, 90.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>87.1 %(typ)
No-load power consumption	<0.21W

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Model identifier	GSM120A/B(12/15/20/24/48)-R7B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/48.0 (V)
Output current	8.5/7.0/6.0/5.0/2.5(A)
Output power	102.0W for 12.0V, 105.0W for 15.0V, 120.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>86.3 %(typ)
No-load power consumption	<0.21W

Model identifier	GSM160A/B(12/15/20/24/48)-R7B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/36.0/48.0 (V)
Output current	11.5/9.6/8.0/6.67/4.44/3.34(A)
Output power	138.0W for 12.0V, 144.0W for 15.0V, 160.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>87.6 %(typ)
No-load power consumption	<0.21W

Model identifier	GSM220A/B(12/15/20/24/48)-R7B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/48.0 (V)
Output current	15.0/13.4/11.0/9.2/4.6(A)
Output power	180.0W for 12.0V, 201.0W for 15.0V, 220.0W for 20.0V, 221.0W for other
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>84.6 %(typ)
No-load power consumption	<0.21W

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Model identifier	OWA-60E-12/15/20/24/30/36/42/48/54
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V)
Output current	5.0/4.0/3.0/2.5/2.0/1.67/1.5/1.25/1.12(A)
Output power	60.0W for 12.0/15.0/20.0/24.0/30.0/48.0(V), 60.12W for 36.0V, 63.0W for 42.0V, 60.48W for 54.0V
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>80.0 %(typ)
No-load power consumption	<0.21W

Model identifier	OWA-90E-12/15/20/24/30/36/42/48/54
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V)
Output current	7.5/6.0/4.5/3.75/3.0/2.5/2.15/1.88/1.67 (A)
Output power	90.0W for 12.0/15.0/20.0/24.0/30.0/36.0(V), 90.3W for 42.0V, 90.24W for 48.0V, 90.18W for 54.0V
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>79.0 %(typ)
No-load power consumption	<0.21W

Model identifier	OWA-120E-(12/15/20/24/30/36/42/48/54)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/20.0/24.0/30.0/36.0/42.0/48.0/54.0 (V)
Output current	9.6/8.0/6.0/5.0/4.0/3.4/2.9/2.5/2.3 (A)
Output power	115W for 12.0V, 120W for 15.0/20.0/24.0/30.0/48.0(V), 122.4W for 36.0V, 121.8W for 42.0V, 124.2W for 54.0V
Average active efficiency	>88.0 %
Efficiency at low load (10 %)	>82.5 %(typ)
No-load power consumption	<0.21W



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Model identifier	OWA-200E-(12/20/24/36/42/48/54)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/20.0/24.0/36.0/42.0/48.0/54.0(V)
Output current	15.0/10.0/8.3/5.55/4.75/4.17/3.71(A)
Output power	180W for 12.0V, 200W for 20V, 199W for other
Average active efficiency	>91% for 12V, >92.5% for other
Efficiency at low load (10 %)	>87.5%(typ)
No-load power consumption	<0.15W

Model identifier	GS06E/U-(1/11/2/3/4/5/6/8)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	1.0/0.8/0.66/0.5/0.4/0.33/0.25/0.125 (A)
Output power	6W
Average active efficiency	>78.88 %
Efficiency at low load (10 %)	>73.0 %(typ)
No-load power consumption	<0.10W

Model identifier	GS15-(1/1-1/2/3/4/5/6/8)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	2.4/1.6/1.66/1.25/1.0/0.83/0.625/0.31 (A)
Output power	12W for 5.0/7.5V, 15.0W for other
Average active efficiency	>82.96% for 5/7.5V, >84.13% for other
Efficiency at low load (10 %)	>79.0 %(typ)
No-load power consumption	<0.10W

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Model identifier	GP25A/B(13A/13D/14E/58F)-R1B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	(+5.0,+12.0,-5.0)/(+5.0,+12.0,-12.0)/ (+5.0,+15.0,-15.0) / (+16.0,+48.0,-16.0)(V)
Output current	(2.5,1.2,0.3)/(2.5,1.0,0.3)/(2.5,0.8,0.3)/(1.05,0.087,1.05)(A)
Output power	28.5W for 13A,28.0W for 13D,29.0W for 14E, 37.77W for 58F
Average active efficiency	>80% for 13A、 13D , > 80.5% for 14E , > 85% for 58F
Efficiency at low load (10 %)	>75.0 %(typ)
No-load power consumption	<0.30W

Model identifier	GP50A(13A/13D/14E/58F)-R1B
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	(+5.0,+12.0,-5.0)/(+5.0,+12.0,-12.0)/(+5.0,+15.0,-15.0)/ (+16.0,+48.0,-16.0)(V)
Output current	(4.0,2.0,0.5)/(4.0,2.0,0.5)/(4.0,1.5,0.5)/(2.0,0.15,2.0)(A)
Output power	46.5W for 13A,50.0W for 13D,50.0W for 14E,71.2W for 58F
Average active efficiency	>83.5%
Efficiency at low load (10 %)	>79.0 %(typ)
No-load power consumption	<0.30W

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Model identifier	GC30B/E/U-(0/1/11/2/4/5/6)P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	4.2/5.6/7.2/8.4/14.3/16.8/28.6(V)
Output current	4.0/3.99/3.0/3.0/2.09/1.6/1.04(A)
Output power	16.8W for 4.2V, 22.38W for 5.6V, 21.6W for 7.2V, 25.2W for 8.4V, 30.0W for 14.3V, 27.0W for 16.8V, 30.0W for 28.6V
Average active efficiency	>55% for 4.2V , > 70% for other
Efficiency at low load (10 %)	>52% for 4.2V , > 67% for other (typ)
No-load power consumption	<1.0W

Model identifier	SGA12-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	2.4/1.6/1.33/1.0/0.8/0.66/0.5/0.25 (A)
Output power	12W
Average active efficiency	>82.96 %
Efficiency at low load (10 %)	>75.0 %(typ)
No-load power consumption	<0.10W

Model identifier	SGA18-(5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	3.0/2.0/1.5/1.2/1.0/0.75/0.375 (A)
Output power	15W for 5.0V, 18.0W for other
Average active efficiency	>84.1 % for 5V, >85.0% for other
Efficiency at low load (10 %)	>78.5 %(typ)
No-load power consumption	<0.10W

Manuale di installazione

Model identifier	SGA25-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	4.0/2.93/2.77/2.08/1.66/1.38/1.04/0.52 (A)
Output power	20W for 5.0V, 22W for 7.5V, 25.0W for other
Average active efficiency	>85.4% for 5V, >86.35% for other
Efficiency at low load (10 %)	>81.0 %(typ)
No-load power consumption	<0.10W

Model identifier	SGA40-(5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	5.0/4.44/3.33/2.66/2.22/1.67/0.84 (A)
Output power	25W for 5.0V, 40.0W for other
Average active efficiency	>86.35% for 5V, >87.6% for other
Efficiency at low load (10 %)	>85.0 %(typ)
No-load power consumption	<0.10W

Model identifier	SGA60-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	6.0/6.0/5.5/5.0/4.0/3.33/2.5/1.25 (A)
Output power	30W for 5.0V, 45W for 7.5V, 50W for 9.0V, 60.0W for other
Average active efficiency	>86.95% for 5V, >87.73% for 7.5V, >89.0% for other
Efficiency at low load (10 %)	>84.0 %(typ)
No-load power consumption	<0.21W

Manuale di installazione

Model identifier	GE12I-(5/7.5/9/12/15/18/24)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0 (V)
Output current	2.0/1.33/1.33/1.0/0.8/0.83/0.625 (A)
Output power	10W for 5.0/7.5V, 12W for 9/12/15V, 15W for other
Average active efficiency	>81.95% for 5.0/7.5V, >82.96% for 9/12/15V, >84.13% for other
Efficiency at low load (10 %)	>72.1 %(typ)
No-load power consumption	<0.10W

Model identifier	GE18I-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	2.4/1.73/2.0/1.5/1.2/1.0/0.75/0.375 (A)
Output power	12W for 5.0V, 13W for 7.5V, 18W for other
Average active efficiency	>82.96% for 5.0V, >83.38% for 7.5V, >85.00% for other
Efficiency at low load (10 %)	>75.1 %(typ)
No-load power consumption	<0.10W

Model identifier	GE24I-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	3.0/2.0/2.22/2.0/1.6/1.33/1.0/0.5 (A)
Output power	15W for 5.0/7.5V, 20W for 9.0V, 24W for other
Average active efficiency	>84.13% for 5.0/7.5V, >85.47% for 9.0V, >86.20% for other
Efficiency at low load (10 %)	>75.8 %(typ)
No-load power consumption	<0.10W

Manuale di installazione

Model identifier	GE30I-(12/15/18/24)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/18.0/24.0 (V)
Output current	2.5/2.0/1.66/1.25 (A)
Output power	30W
Average active efficiency	>86.95%
Efficiency at low load (10 %)	>83.7 % (typ)
No-load power consumption	<0.10W

Model identifier	GEM06I05-P1J/USB, GEM06I (06/07/09/12/15/18/24) -P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/6.0/7.5/9.0/12.0/15.0/18.0/24.0(V)
Output current	1.2/1.0/0.8/0.66/0.5/0.4/0.33/0.25(A)
Output power	6.0W for all
Average active efficiency	>70% for 5.0V , > 74% for other
Efficiency at low load (10 %)	>66 % (typ)
No-load power consumption	<0.30W

Model identifier	GE40I-(5/7.5/9/12/15/18/24/36/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/36.0/48.0 (V)
Output current	4.0/2.66/3.3/3.3/2.7/2.2/1.67/1.00/0.83 (A)
Output power	20W for 5.0/7.5V, 30W for 9.0V, 40W for other
Average active efficiency	>85.47% for 5.0/7.5V, >86.92% for 9.0V, >87.58% for other
Efficiency at low load (10 %)	>77.3 % (typ)
No-load power consumption	<0.10W



Manuale di installazione

Model identifier	GSM12E/GEM12I-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	1.6/1.33/1.0/0.8/0.66/0.5/0.25 (A)
Output power	12W
Average active efficiency	>82.96%
Efficiency at low load (10 %)	>72.96%(typ)
No-load power consumption	<0.10W

Model identifier	GEM18I-(5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	3.0/2.0/1.5/1.2/1.0/0.75/0.375 (A)
Output power	15W for 5.0V, 18.0W for other
Average active efficiency	>84.1 % for 5V, >85.0% for other
Efficiency at low load (10 %)	>81.0%(typ)
No-load power consumption	<0.10W

Model identifier	GEM30I-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	4.0/3.33/3.33/2.5/2.0/1.66/1.25/.625 (A)
Output power	20W for 5.0V, 25W for 7.5V, 30.0W for other
Average active efficiency	>85.47% for 5V, >86.35% for 7.5V, >86.95% for other
Efficiency at low load (10 %)	>81.0 %(typ)
No-load power consumption	<0.10W



Manuale di installazione

Model identifier	GEM40I-(5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	5.0/4.0/3.33/2.66/2.22/1.66/0.83 (A)
Output power	25W for 5.0V, 36W for 9.0V, 40.0W for other
Average active efficiency	>86.35% for 5V, >87.40% for 9.0V, >87.59% for other
Efficiency at low load (10 %)	>85.0 %(typ)
No-load power consumption	<0.10W

Model identifier	GEM60I-(5/7.5/9/12/15/18/24/48)
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/7.5/9.0/12.0/15.0/18.0/24.0/48.0 (V)
Output current	6.0/6.0/5.5/4.5/4.0/3.33/2.5/1.25 (A)
Output power	30W for 5.0V, 45W for 7.5V, 50W for 9.0V, 54W for 12V, 40.0W for other
Average active efficiency	>86.95% for 5V, >87.73% for 7.5V, >89.0% for other
Efficiency at low load (10 %)	>83.0 %(typ)
No-load power consumption	<0.21W

Model identifier	NGE12E/U/I05-P1J/USB,NGE12E/U/I (09/12/15/18/24)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0//9.0/12.0/15.0/18.0/24.0(V)
Output current	2.4/1.33/1.0/0.8/0.83/0.625(A)
Output power	15W for 18/24V output,12W for other
Average active efficiency	>82% for 5V,>86% for other
Efficiency at low load (10 %)	>64.5% for 5V,>73.5% for other
No-load power consumption	<0.075W
Protective current (input)	2A

Manuale di installazione

Model identifier	NGE18E/U/I(05/09/12/15/18/24)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0(V)
Output current	3.0/2.0/1.5/1.2/1.0/0.75(A)
Output power	15W for 5V output,18W for other
Average active efficiency	>82% for 5V,>87% for other
Efficiency at low load (10 %)	>78% for 5V,>79.5% for other
No-load power consumption	<0.075W
Protective current (input)	2A

Model identifier	NGE30E/U/I(05/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0(V)
Output current	4.0/3.33/2.5/2.0/1.66/1.25/0.63(A)
Output power	20W for 5V output,30W for other
Average active efficiency	>82% for 5V,>87% for other
Efficiency at low load (10 %)	>79% for 5V,>83.5% for other
No-load power consumption	<0.075W
Protective current (input)	3.15A

Model identifier	NGE45E/U/I(05/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0(V)
Output current	5.63/4.5/3.75/3.0/2.5/1.88/0.94(A)
Output power	28.1W for 5V output,40.5W for 9V OUTPUT,45W for other
Average active efficiency	>84% for 5V,>87% for other
Efficiency at low load (10 %)	>80% for 5V,>85% for other
No-load power consumption	<0.075W
Protective current (input)	3.15A



Manuale di installazione

Model identifier	NGE65E/U/I/(05/09/12/15/18/24/48)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/18.0/24.0/48.0(V)
Output current	6.0/5.96/4.88/4.34/3.62/2.71/1.36(A)
Output power	30W for 5V output,53.6W for 9V OUTPUT,58.5W for 12V OUTPUT,65W for other
Average active efficiency	>84% for 5V,>87% for other
Efficiency at low load (10 %)	>80% for 5V,>85% for other
No-load power consumption	<0.075W
Protective current (input)	3.15A

Manuale di installazione

Model identifier	NGE90E/U/I(12/15/18/24/48/55)-P1J
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	12.0/15.0/18.0/24.0/48.0/55.0(V)
Output current	6.25/5.5/5.0/3.75/1.875/1.64(A)
Output power	75/82.5/90/90/90/90.2(W)
Average active efficiency	>90%
Efficiency at low load (10 %)	>86% for 12V,>88% for other
No-load power consumption	<0.1W
Protective current (input)	3.15A
Model identifier	NGE100/NGE100U
Input voltage	230Vac
Input AC frequency	50Hz
Output voltage	5.0/9.0/12.0/15.0/20.0(V)
Output current	USB C1/2(5.0V,9.0V,12.0V,15.0V) for 3A, USB C1/2 20V for 5A,USB A1/2(5.0V for 3A,9.0V for 2A,12V for 1.5A,20V for 0.9A)
Output power	100W
Average active efficiency	>88.5%
Efficiency at low load (10 %)	83%forC1:20*0.5
No-load power consumption	<0.3W
Protective current (input)	3.15A
Per informazioni dettagliate, scansiona il codice QR qui sotto 	



Manuale di installazione

Manufacturer :

MEAN WELL ENTERPRISES Co., LTD.
No.28, Wuquan 3rd Rd., Wugu Dist.,
New Taipei City 24891, Taiwan
Tel: +886-2-2299-6100
Web: www.meanwell.com

Branch Office :

China

MEAN WELL (GUANGZHOU)
ENTERPRISES Co., LTD.
No.11, Jingu South Road, Huadong
Town, Huadu Distric, Guangzhou,
Gungzhou, China
Tel: +86-20-3773-7100
Web: www.meanwell.com.cn

China

SUZHOU MEAN WELL
TECHNOLOGY Co., LTD.
No.269 Changping Rd. , Huangdai
Town, Xiangcheng District
Suzhou, Jiangsu Province, China
Post Code: 215152
Tel: +86-512-6508-8600
Web: www.meanwell.cc

U.S.A.

MEAN WELL USA, INC.
44030 Fremont Blvd., Fremont,
CA 94538, U.S.A.
Tel: +1-510-683-8886
Web: www.meanwellusa.com

Europe

MEAN WELL EUROPE B.V.
Langs de Werf 8, 1185XT Amstelveen, The
Netherlands
Tel: +31-20-758-6000
Web: www.meanwell.eu

2024.01.02



MEAN WELL ENTERPRISES CO., LTD.

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan (R.O.C.)

Tel: +886-2-2299-6100

Fax: +886-2-2299-6200

E-mail: info@meanwell.com

http://www.meanwell.com

Declaration of China RoHS Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL is confirming and announcing the conformity to China RoHS, an Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products.

Environment Friendly Use Period Label

	Observing SJT 11364-2014, Marking for the Restricted Use of Hazardous Substances in Electronic and Electrical Products
	Observing SJ/Z 11388-2009, General Guidelines of Environment-friendly Use Period of Electronic Information Products Appendix B, adopting table look-up to verify the Environment Friendly Use Period

Names and Contents of Hazardous Substances Lists

Part Name	Hazardous Substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr ⁶⁺)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
PCB and its components	X	O	X	O	O	O
Metal structure parts	X	O	O	O	O	O
Plastic structure parts	O	O	O	O	O	O
Accessories	O	O	O	O	O	O
Cables	X	O	O	O	O	O
O: The concentration of the hazardous substances within the homogeneous material of that product is less than the concentration limits set by GB/T 26572-2011. X: The concentration of the hazardous substances within the homogeneous material of that product is over the concentration limits set by GB/T 26572-2011; however, it follows the standard advised by 2011/65/EU.						

ISO-9001 CERTIFIED

Your Reliable Power Partner



MEAN WELL ENTERPRISES CO., LTD.

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan (R.O.C.)

Tel: +886-2-2299-6100

Fax: +886-2-2299-6200

E-mail: info@meanwell.com

<http://www.meanwell.com>

Declaration of China VOC Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL is confirming and announcing the conformity to China's Standardization Administration Releases VOC Standards

Standard No.	Name of the Standard
GB 30981-2020	Limit of harmful substances of industrial protective coatings
GB 33372-2020	Limits for volatile organic compounds content in adhesive
GB 38507-2020	Limits for volatile organic compounds (VOCs) In printing ink
GB 38508-2020	Limits for volatile organic compounds content in cleaning agents

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MEAN WELL ENTERPRISES CO., LTD.

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan (R.O.C.)

Tel: +886-2-2299-6100

Fax: +886-2-2299-6200

E-mail: info@meanwell.com

http://www.meanwell.com

Declaration of Five PBT TSCA Conformity

In order to reduce the impacts on the environment and take the more responsibility for protecting the earth, MEAN WELL hereby confirms that MEAN WELL product series comply with Use and Risk Management for Five PBT Chemicals under TSCA section 6(h)

CAS No.	Substance Name
1163-19-5	Decabromodiphenyl ether (DecaBDE)
68937-41-7	Phenol, isopropylated, phosphate (3:1) PIP (3:1)
732-26-3	2,4,6-Tris (tert-butyl) phenol (2,4,6-TTBP)
133-49-3	Pentachlorothiophenol (PCTP)
87-68-3	Hexachlorobutadiene (HCBD)

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