

Kurulum Kılavuzu

- **Ürün Tipi** : Adaptör (Ürün ailesi : GE, GEM, GS, GSM, GST, OWA, SGA, SGAS, GP, GC, NGE)

- **Giriş**

Adaptörler elektrikli ekipmanları beslemek için dizayn edilmiş harici anahtarlama güç kaynaklarıdır. Mean Well adaptörler endüstriyel, neme dayanıklı ve medikal olarak üç gruptur.

- **Kurulum**

- (1) Adaptörün DC kablosunu ekipmana bağlamadan önce adaptörün AC güç kablosunun bağlantısını kesip ekipmanın ve adaptörün voltaj ve akım değerlerinin doğruluğunu kontrol ediniz.
- (2) Adaptör ve güç kablosunun bağlantısının ve DC fişinin bağlantısının doğru bir şekilde yapıldığından emin olunuz.
- (3) Güç kablosunu darbelere ve ezilmelere karşı koruyunuz.
- (4) Aşırı ısınmayı önlemek için güç kaynağının yeterli şekilde soğutmasının yapıldığından emin olunuz. Güç kaynağı herhangi ısı kaynağı oluşturabilecek cihazdan 10-15 cm uzak olmalıdır..
- (5) Kullanılan güç kablosu SVT, 3G×18AWG ya da H03VV-F, 3G×0.75mm² değerlerinde veya daha iyi olmalıdır.
- (6) Eğer adaptörün bağlı olduğu elektrikli ekipman uzun süredir kullanılmayacak ise herhangi bir ani voltaj yükselmesi veya şimşek çarpması sonucu oluşabilecek hasarlardan kaçınmak için adaptörün ve adaptör ile ekipmanın bağlantısını kesiniz.
- (7) Ürünler ile ilgili detaylı bilgilere ulaşmak için lütfen “ www.meanwell.com ” adresini ziyaret ediniz.

- **Uyarı!!**

- (1) Kullanıcı ve ürün sağlığı açısından nitelikli teknisyen haricinde kendiniz açmayınız!
- (2) Ürünler herhangi bir elektrik çarpması veya yangın riskinden kaçınmak için yabancı maddelerden ve sıvılardan uzak tutulmalıdır.
- (3) Yanlış DC fişini kullanmak yada bu fişi zorlamak elektronik cihazda hasara sebep olabilir. Doğru DC fişini öğrenmek için www.meanwell.com adresinden ürünün teknik dokümanını inceleyebilirsiniz.
- (4) Adaptör düzgün bir zemine konumlandırılmalıdır düşme ve çarpma gibi durumlarda ürün zarar görebilir.
- (5) Lütfen adaptörü yüksek nemli ortamlardan ve suya yakın ortamlarda çalıştırmayınız.
- (6) Lütfen adaptörü yüksek sıcaklık olan ortamlara ve ısı kaynağının yakın ortamlarda çalıştırmayınız. Güç kaynağının çalışabileceği max. ve min. sıcaklık değerlerini öğrenmek için teknik dokümanları inceleyiniz.
- (7) Çıkış akımı ve çıkış gücü, teknik dokümanlardaki nominal değerleri aşmamalıdır.
- (8) Ürünü temizlemeden önce şebeke ile bağlantısını kesiniz. Sadece nemli bez ile temizleyiniz. Spreyli veya sıvı temizleyici kullanmayınız.
- (9) BSMI sertifikalı adaptörleri ile kullanılan çevre ekipmanlarının ateşe dayanıklılık özelliği V1 standartında veya daha yüksek olmalıdır. Ürün mesken ortamlarda radyo parazitine sebep olabilir.
- (10) Ömrü tükenmiş ve çalışmayan ürününüzü çöpe atmak yerine yetkili yerel bir geri dönüşüm firmasına veriniz.

- (11) Bu cihaz, FCC kuralların 15. Bölümüne uygundur. Çalıştırma aşağıdaki koşullara tabidir:
Bu cihaz parazitlenmeye neden olmamalı ve dışardan gelen parazitlere karşı dayanıklı olmalıdır.
(a) This device may not cause harmful interference and
(b) This device must accept any interference received, including interference that may cause undesired operation.
- (12) For GST360A/B only: Surfaces that do not need to be touched to operate the equipment (contact time < 1 sec).
- (13) Yalnızca NGE için: Fiş parçasının pimleri hasar görmüşse güç kaynağı ünitesinin kullanılmaması gerektiğini belirtmek için.

● **Enerji Verimliliği**

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



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



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



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

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

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

Not:

GSM serileri tıbbi 60601-1 yönetmeliğine uygundur.

Aşağıdaki verimlilik parametreleri performans referansı içindir.

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)

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

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

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

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

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

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

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

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

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

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

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

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

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/UI(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

Model identifier	NGE65E/UI(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

Model identifier	NGE90E/UI(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
Detaylı bilgi için lütfen aşağıdaki QR kodunu tarayın 	

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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 11364-2024, 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	Mercury	Cadmium	Hexavalent chromium	Polybrominated biphenyls	Polybrominated diphenyl ethers	Bis(2-ethylhexyl) phthalate	Dibutyl phthalate	Dibutyl phthalate	Diisobutyl phthalate
	(Pb)	(Hg)	(Cd)	(Cr ⁶⁺)	(PBB)	(PBDEs)	(DEHP)	(DBP)	(DBP)	(DIBP)
PCB and its components	X	O	O	O	O	O	O	O	O	O
Metal structure parts	X	O	O	O	O	O	O	O	O	O
Plastic structure parts	O	O	O	O	O	O	O	O	O	O
Accessories	O	O	O	O	O	O	O	O	O	O
Cables	X	O	O	O	O	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.										

Çin Halk Cumhuriyeti VOC Uygunluk Beyannamesi

Çevre üzerindeki etkileri azaltmak ve dünyayı koruma konusunda daha fazla sorumluluk almak için MEAN WELL, Çin'in Standardizasyon İdaresi VOC Standartlarına uygunluğu onaylıyor ve duyuruyor.

Standart No.	Standart Adı
GB 30981-2020	Endüstriyel koruyucu kaplamaların zararlı madde sınırı
GB 33372-2020	Yapıştırıcıdaki uçucu organik bileşik içeriği için sınırlar
GB 38507-2020	Uçucu organik bileşikler (VOC'ler) için sınırlar. Baskı mürekkebindeki
GB 38508-2020	Temizlik maddelerindeki uçucu organik bileşik içeriği sınırları



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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)

ISO-9001 CERTIFIED

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