



PEPV 270 - 285W

Covered cell interconnections | 5 Busbar | 6 Diodes

Quality

- / IP67 + 1 m cable
- / High transmissivity glass and high resistance
- / Frame with higher mechanical strength and air chamber
- / Friendly environment & recyclable materials
- / Electroluminescence test

Certificates

- / IEC 61215:2005
- / Back load (wind) 2.400 Pa
- / Fire Resistance Certificate
- / Frontal load (snow) 5.400 Pa
- / Class I (under standard UNI 9177)
- / IEC 61730-1:2004 / IEC 61730-2:2004
- / VKF-AEAI compliance (Switzerland)
- / WEEE compliance in Germany
- / ETL Listed Mark (USA-Canada)
- / EE016-20130528-001 (France)
- / PID resistant
- / MCS (UK)



TOTAL 60
• 15 YEARS WARRANTY
• 20 YEARS EXPERIENCE
• 25 YEARS PERFORMANCE

PHOTON Laboratory talks about our modules:

"Eurener is one of the oldest module manufacturers in Europe the Spanish company was founded in 1997 [...] Is distinguished by having values that are over the average the temperature coefficient is quite better than other modules that are in the test field. The curve behavior at different irradiance conditions shows a marked efficiency increase in radiations from medium to high, and a slight drop in efficiency at low irradiance conditions. These factors show that this module could reach higher performance than the average in long-term measurements"



SUPERIOR

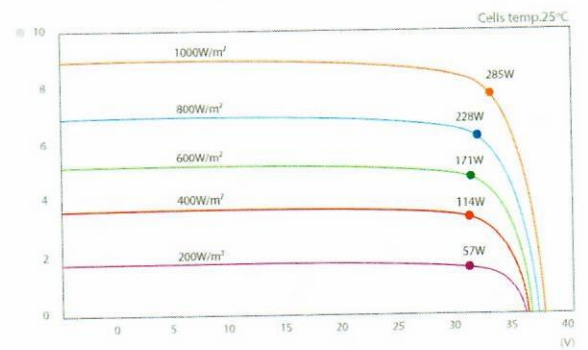
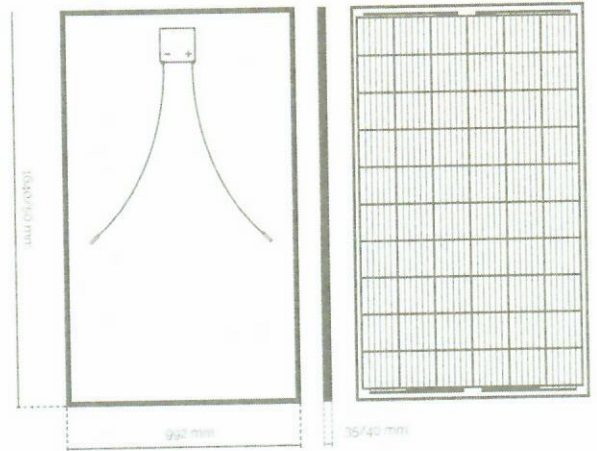
Polycrystalline Standard - All Black / 270 / 275 / 280 / 285





Technical features

Frame
Black / Silver anodized aluminium 0,015 mm
Covered cell interconnections (Only in black)
Robust and resistant to corrosion
Built-in plug
Connection box
Sealed, robust and wide for heat dissipation
IP67 according to IEC 60529
Diodes by-pass built-in (6) for protection of the partial shading
Connector MC4 or compatible, easy and rapid connection
Cables 1 meter length and 4mm ² section
Reaction to Fire Class I (conformity to UNI 9177 norm)
Frontal
3,2 mm tempered glass
Textured, extra-clear with low iron content
Solar cells
60 cells polycrystalline silicon / 156x156 mm
Weight and dimensions (L x W) +/-1% mm
19 Kg 1640/50 x 992 x 35/40 mm



Electric data

Standard - All Black	PEPV 270W	PEPV 275W	PEPV 280W	PEPV 285W
Nominal power, P _{mpp}	270W	275W	280W	285W
Tolerance, P _{mpp}	0 / +3%	0 / +3%	0 / +3%	± 1%
Area of the module	1,62			
Module efficiency	16,67%	16,98%	17,28%	17,59%
I _{sc}	9,12 A	9,16 A	9,25 A	9,31 A
U _{oc}	38,61 V	38,69 V	39,10 V	39,38 V
I _{mpp}	8,61 A	8,73 A	8,85 A	8,97 A
U _{mpp}	31,36 V	31,50 V	31,65 V	31,77 V
Maximum voltage	1000 V			
I _{sc}	0,05% / °C			
U _{oc}	- 0,32% / °C			
g P _{max}	- 0,41% / °C			
Temperature range	- 40°C to +85°C			
NOCT	44°C ± 2°C			

NOTE: Read the instruction manual of this product and follow the indications. Values are valid for 1000W/m² AM 1.5 and cell's temperature of 25°C. All the information of this brochure may be amended without notice by Eurener.

Sales Office
Av. Marques de Sotelo 1-4^a
46002 Valencia (Spain)

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Vereinigung Kantonaler Feuerversicherungen

Klassifikation gemäss den
VKF-Prüfbestimmungen
Hagelregister

VKF Hagelschutz VKF Nr. 30045

Gruppe	121 - Dach - Photovoltaik Module
Gesuchsteller	European Energy World. S.L.U Av. Marqués de Sotelo, 1 - 4º 46002 Valencia Spain
Hersteller	European Energy World. S.L.U 46002 Valencia Spain
Produkt	PEPV-xxx / MEPV-xxx
Beschrieb	PV-Modul. Frontglas Einscheibensicherheitsglas (ESG), Stärke mind. 3,0 mm. xxx bezeichnet die Leistung. Die Anerkennung bezieht sich nur auf den solaren Teil, nicht auf eine allfällige Randabdeckung und die Unterkonstruktion.
Unterlagen	-: Bestätigung Hersteller '20180302' (2. März 2018)
Prüfbestimmungen	B VKF Beschluss Solare Elemente Version 1.04 vom 1. 11. 2016
Klassifikation Beurteilung	Hagelwiderstand Funktionalität HW 3
Bemerkungen	
Gültigkeitsdauer	31.12.2023
Ausstelldatum	05.04.2018
Ersetzt Dokument vom	-

Vereinigung Kantonaler Feuerversicherungen

Martin Jordi

Eveline Augsburg

Die Funktionalität ist der minimale Hagelwiderstand von den Bauteilfunktionen:
Lichtdurchlässigkeit HW -- Mechanik HW --
Lichtabschirmung HW -- Wasserdichtheit HW --



Certificate of Factory Production Control

This certificate has been issued to

European Energy World, S.L.

of

**Avenida Marqués de Sotelo,
1 – 4º (46002) Valencia,
Spain**

whose production management system has been assessed and found to comply with the Factory Production Control Requirements of the MCS Product Certification Scheme in respect of:

Production of Photovoltaic Solar Panels

at the above address

and includes the following products:

MEPVxxx	MEPVxxx-XL-S	PEPVxxx-L
MEPVxxx BLACK	MEPVxxx-L-S	PEPVxxx-L BLACK
MEPVxxx-L	MEPVxxx-L BLACK	PEPVxxx
MEPVxxx-L BLACK	MEPVxxx-S-S	PEPVxxx BLACK
MEPVxxx-S	MEPVxxx-S BLACK	PEPVxxx-S
MEPVxxx-S BLACK	MEPVxxx-XS-S	PEPVxxx-S BLACK
MEPVxxx-XS	MEPVxxx-XS BLACK	PEPVxxx-XS
MEPVxxx-XS BLACK		PEPVxxx-XS BLACK
MEPVxxx-XXS		PEPVxxx-XXS
MEPVxxx-XXS BLACK		PEPVxxx-XXS BLACK

**Ranges of Photovoltaic Solar Panels as detailed
on the attached annex to this certificate**

Signed:

on behalf of TUV SUD B A B T

Certificate Number:

B A B T 8764

Valid from:

21 June 2018

This Certificate expires on:

20 June 2021



The holder of this certificate is authorised to use the MCS Approved Product Mark. This certificate has been issued by B A B T in accordance with the Certification Regulations of B A B T. Conditions of validity of this certificate, if any, are listed in the Annex. This certificate is not transferable and remains the property of B A B T at all times. This certificate constitutes page 1 of the combined Certificate and Annex.

(For scope of certification prior to the validity date on this certificate please refer to B A B T)



LAPI LABORATORIO PREVENZIONE INCENDI S.p.A.
Sede Primaria: I-59100 PRATO - Via della Quercia, 11
Telefono +39 0574.575.320 - Telefax +39 0574.575.323
Sede Secondaria: I-50041 CALENZANO (FI) - Via Petrarca, 48
e-mail: lapi@laboratoriolapi.it
web site: www.laboratoriolapi.it

CERTIFICATO DI PROVA N. 7317/A

Emesso ai sensi dell'art. 10 del decreto del Ministero dell'interno del 26 giugno 1984 concernente "Classificazione di reazione al fuoco ed omologazione dei materiali ai fini della prevenzione incendi" modificato con decreto del Ministero dell'interno del 03 settembre 2001 (G.U. n° 242 del 17 ottobre 2001).

Visto l'esito degli accertamenti effettuati si certifica che alla
INSTALLAZIONE TECNICA (Allegato A.2.1\)

Prodotto da: **EUROPEAN ENERGY WORLD S.L.U. / EURENER**

Denominato: **MEPV XXX-X / PEPVXXX-X**

Codice di identificazione: **L/7317/A/2017**

Impiegato come: **PANNELLO FOTOVOLTAICO**

è attribuita in conformità alla UNI 9177 la **CLASSE DI REAZIONE AL FUOCO: 1**

Il presente Certificato è valido unicamente per la campionatura sottoposta a prova.

Costituiscono parte integrante del presente Certificato n. **5 (CINQUE)** allegati.

Prato, 22/12/2017

Il Direttore del Laboratorio
Dr. Luca Ermini



Rapporto di prova n° **L 7317/A/1**

METODO DI PROVA

UNI 8457 (1987) - UNI 8457/A1 (1996)

Allegato al certificato n° **L 7317/A**

Materiale: **Isotropo**

Posa in opera: **non in aderenza a supporto incombustibile**

Provetta n°	Tempo di post-combustione [s]	Tempo di post-incandescenza [s]	Zona danneggiata [mm]	Gocciolamento
1	0	0	30	assente
2	0	0	35	assente
3	0	0	30	assente
4	0	0	35	assente
5	0	0	40	assente
6	0	0	30	assente
7	0	0	35	assente
8	0	0	30	assente
9	0	0	35	assente
10	0	0	30	assente

Metodo di preparazione UNI 9176 (1998): **D**

	Valore medio	Livello	CATEGORIA I
Tempo di post-combustione [s]	0	1	
Tempo di post-incandescenza [s]	0	1	
Zona danneggiata [mm]	33	1	
Gocciolamento	assente	1	

Note:

- LATO ESPOSTO:: BACKSHEET -



LABORATORIO PREVENZIONE INCENDI
Legalmente riconosciuto - Autorizzato dal Ministero dell'Interno

Data prova
22/12/2017

L'Operatore

Rapporto di prova n°

L 7317/A/2

METODO DI PROVA

UNI 9174 (1987) - UNI 9174/A1 (1996)

Allegato al Certificato n°

L 7317/A

Materiale: Isotropo

		100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	
Tempo (in secondi) per raggiungere la distanza di mm	Provetta n°	1	206	299	522	744											
		2	190	310	512	699											
		3	224	333	542	752											
Velocità media di propagazione della fiamma in mm/s	Provetta n°	1	//														
		2	//														
		3	//														

Provetta n°	Velocità di propagazione [mm/min]		Zona danneggiata [mm]		Tempo di post-incandescenza [s]		Gocciolamento	
	valore	livello	valore	livello	valore	livello	valore	livello
1	<30	2	250	1	N.D.	1	gocce spente	1
2	<30	2	250	1	N.D.	1	gocce spente	1
3	<30	2	250	1	N.D.	1	gocce spente	1

Metodo di preparazione UNI 9176 (1998): D

CATEGORIA

Posizione: Parete

Posa in opera: non in aderenza a supporto incombustibile

Note:

- LATO ESPOSTO: BACKSHEET -

Legenda

- N.D.: Non Determinabile
- La velocità di propagazione della fiamma è non determinabile quando la fiamma non raggiunge i 150 mm
- Il tempo di post-incandescenza è non determinabile quando la fiamma non raggiunge i 300 mm



LABORATORIO PREVENZIONE INCENDI
Legalmente riconosciuto - Autorizzato dal Ministero dell'Interno

Data prova

22/12/2017

L'Operatore





Product Service

CERTIFICATE

No. Z2 17 08 90404 006

Model(s):

PEPV270-L, PEPV275-L, PEPV280-L, PEPV285-L,
PEPV290-L, PEPV295-L, PEPV300-L, PEPV305-L,
PEPV310-L, PEPV315-L, PEPV320-L, PEPV325-L,
PEPV330-L, PEPV335-L, PEPV340-L, PEPV345-L,
PEPV230, PEPV235, PEPV240, PEPV245,
PEPV250, PEPV255, PEPV260, PEPV265,
PEPV270, PEPV275, PEPV280, PEPV285.

Parameters:

Rated Output Power
at STC:

270 W, 275 W, 280 W, 285 W,
290 W, 295 W, 300 W, 305 W,
310 W, 315 W, 320 W, 325 W,
330 W, 335 W, 340 W, 345 W,
230 W, 235 W, 240 W, 245 W,
250 W, 255 W, 260 W, 265 W,
270 W, 275 W, 280 W, 285 W.

Application Class:

Class A

Max. System Voltage:

1000V DC

Construction:

Framed, with Junction box,
cable and connector.

Fire Safety Class:

Class C

PID Test Condition:

-1000V DC, 96H, 85°C, 85% RH

PID testing method is according to IEC TS62804-1:2015

Tested according to:

IEC 61215(ed.2)
IEC 61730-1(ed.1);am1;am2
IEC 61730-2(ed.1);am1
PPP 58042B:2015

Production Facility(ies):

72918, 98397



Product Service

CERTIFICATE

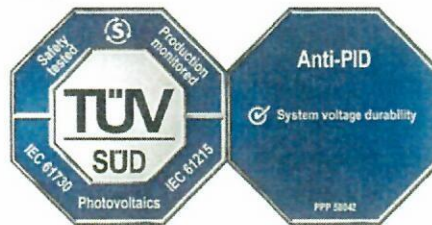
No. Z2 17 08 90404 006

Holder of Certificate: European Energy World. S.L.U

Avenida Marqués de Sotelo, 1 - 4º
46002 Valencia
SPAIN



Certification Mark:



Product:

Crystalline Silicon Terrestrial Photovoltaic (PV) Modules
Poly-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 701261704901-00

Valid until: 2022-03-29



Date, 2017-08-11

Page 1 of 2



ČEZ SOLÁRNÍ



Total nominal power:	29160	Wp
Module nominal power:	270	Wp
Quantity:	108	pcs
Average power:	271	Wp/module
Minimum power:	270	Wp
Maximum power:	274	Wp
Total flash power:	29309	Wp
Eurener-added value:	148,79	Wp

AÑO	NS	modelo	Voc	Isc	Pmpp	Vmpp	Impp	Pmax
2019	E6141641905102982	PEPV270	38,686	9,3457	271,225	31,744	8,8330	270
2019	E6141641905102985	PEPV270	39,008	9,3766	271,460	31,959	8,8284	270
2019	E6141641905103015	PEPV270	39,105	9,3628	270,611	32,103	8,8015	270
2019	E6141641905103029	PEPV270	39,611	9,3306	271,529	32,406	8,7296	270
2019	E6141641905103032	PEPV270	39,156	9,3811	270,828	32,120	8,8396	270
2019	E6141641905103034	PEPV270	39,603	9,2423	272,720	31,656	8,8520	270
2019	E6141641905103043	PEPV270	39,876	9,2643	271,762	31,824	8,8263	270
2019	E6141641905103049	PEPV270	39,489	9,1874	272,204	31,671	8,8435	270
2019	E6141641905103052	PEPV270	39,660	9,2334	272,196	31,791	8,8605	270
2019	E6141641905103075	PEPV270	39,790	9,1958	272,697	31,885	8,8438	270
2019	E6141641905103084	PEPV270	39,612	9,2341	271,549	31,697	8,8657	270
2019	E6141641905103098	PEPV270	39,621	9,2436	271,208	31,718	8,8583	270
2019	E6141641905103103	PEPV270	39,641	9,3209	271,807	31,730	8,8493	270
2019	E6141641905103104	PEPV270	39,672	9,2675	270,979	31,708	8,8349	270
2019	E6141641905102911	PEPV270	39,659	9,2006	271,198	32,584	8,7027	270
2019	E6141641905102958	PEPV270	39,130	9,3444	270,955	32,140	8,7833	270
2019	E6141641905102967	PEPV270	39,281	9,3289	271,348	32,389	8,7125	270
2019	E6141641905103022	PEPV270	39,086	9,3781	271,863	32,062	8,8242	270
2019	E6141641905103048	PEPV270	39,178	9,3651	271,128	31,723	8,8552	270
2019	E6141641905103060	PEPV270	39,250	9,3557	270,656	31,797	8,8852	270
2019	E6141641905103061	PEPV270	39,530	9,1701	272,396	31,636	8,8719	270
2019	E6141641905103062	PEPV270	38,766	9,0492	271,539	31,851	8,5022	270
2019	E6141641905103064	PEPV270	38,338	8,9666	270,851	30,854	8,6254	270
2019	E6141641905103067	PEPV270	38,881	8,9589	271,532	30,906	8,6546	270
2019	E6141641905103068	PEPV270	38,828	8,9782	272,093	30,828	8,6502	270
2019	E6141641905103069	PEPV270	38,306	8,9881	271,891	30,814	8,6494	270
2019	E6141641905103070	PEPV270	38,352	8,9883	270,760	30,802	8,6508	270
2019	E6141641905103071	PEPV270	38,368	9,0016	270,753	30,921	8,6403	270
2019	E6141641905103074	PEPV270	38,393	9,0382	271,292	30,919	8,6389	270
2019	E6141641905103077	PEPV270	38,437	8,9622	270,806	30,905	8,5868	270

2019	E6141641905103078	PEPV270	38,636	9,0172	270,883	31,177	8,6358	270
2019	E6141641905103079	PEPV270	37,629	9,0442	270,379	30,772	8,6126	270
2019	E6141641905103080	PEPV270	38,382	9,0212	270,330	30,884	8,6124	270
2019	E6141641905103081	PEPV270	37,688	9,0538	271,382	30,939	8,5735	270
2019	E6141641905103082	PEPV270	38,521	9,0570	271,730	31,012	8,6059	270
2019	E6141641905103090	PEPV270	37,776	9,0517	270,860	31,035	8,5511	270
2019	E6141641905103091	PEPV270	38,748	9,0442	271,597	31,156	8,6541	270
2019	E6141641905103093	PEPV270	38,409	8,9740	272,044	30,873	8,6107	270
2019	E6141641905103094	PEPV270	38,647	8,9780	271,331	30,901	8,5980	270
2019	E6141641905103096	PEPV270	38,163	8,9942	270,382	30,857	8,5980	270
2019	E6141641905103108	PEPV270	38,242	9,0575	271,080	30,722	8,6356	270
2019	E6141641905103112	PEPV270	38,320	8,9772	270,668	30,759	8,6367	270
2019	E6141641905103116	PEPV270	38,424	9,0336	271,500	30,816	8,6256	270
2019	E6141641905103118	PEPV270	38,492	9,0274	270,236	30,996	8,6146	270
2019	E6141641905103368	PEPV270	38,590	9,0215	271,094	31,133	8,6448	270
2019	E6141641905103409	PEPV270	38,667	9,0324	271,091	31,191	8,5841	270
2019	E6141641905103410	PEPV270	38,707	9,0306	270,907	31,224	8,6332	270
2019	E6141641905103411	PEPV270	39,159	8,9894	271,584	31,401	8,6189	270
2019	E6141641905103415	PEPV270	38,501	9,0391	271,460	30,929	8,6158	270
2019	E6141641905103503	PEPV270	38,640	9,0026	271,557	31,030	8,6818	270
2019	E6141641905103504	PEPV270	39,158	8,9939	272,718	31,013	8,6879	270
2019	E6141641905103505	PEPV270	39,175	8,9559	271,030	31,372	8,6251	270
2019	E6141641905103551	PEPV270	39,134	9,0025	272,350	31,290	8,6154	270
2019	E6141641905103564	PEPV270	39,222	8,9744	271,896	31,229	8,6331	270
2019	E6141641905103567	PEPV270	38,670	9,0157	271,072	31,070	8,6065	270
2019	E6141641905103576	PEPV270	38,642	9,0359	270,148	31,029	8,6525	270
2019	E6141641905103580	PEPV270	38,645	8,9661	271,575	31,103	8,6280	270
2019	E6141641905103583	PEPV270	39,166	9,0050	271,949	31,114	8,6824	270
2019	E6141641905103584	PEPV270	38,777	9,0198	271,240	31,244	8,6197	270
2019	E6141641905103585	PEPV270	37,895	9,0486	272,098	31,132	8,5301	270
2019	E6141641905103587	PEPV270	38,588	8,9664	274,050	31,251	8,5224	270
2019	E6141641905103592	PEPV270	38,711	9,0188	272,048	31,159	8,5961	270
2019	E6141641905103595	PEPV270	38,727	9,0254	271,917	31,076	8,6399	270
2019	E6141641905103599	PEPV270	38,683	9,0116	271,631	31,024	8,6461	270
2019	E6141641905103601	PEPV270	38,736	9,0533	270,989	31,135	8,6414	270
2019	E6141641905103604	PEPV270	37,779	9,0148	271,977	30,783	8,6225	270
2019	E6141641905103606	PEPV270	39,193	8,9669	271,328	31,044	8,6774	270
2019	E6141641905103607	PEPV270	38,665	9,0310	272,755	31,053	8,6268	270
2019	E6141641905103608	PEPV270	38,682	8,9766	271,127	31,109	8,6146	270
2019	E6141641905103613	PEPV270	37,971	9,0396	270,154	31,044	8,6170	270
2019	E6141641905103614	PEPV270	38,802	9,0295	270,342	31,202	8,5898	270
2019	E6141641905103619	PEPV270	38,615	8,9753	270,245	31,062	8,5599	270
2019	E6141641905103623	PEPV270	37,909	9,0445	271,702	30,996	8,6200	270
2019	E6141641905103630	PEPV270	38,672	8,9516	270,888	30,708	8,6543	270
2019	E6141641905103631	PEPV270	39,174	8,9320	271,682	31,348	8,6268	270
2019	E6141641905103634	PEPV270	38,605	9,0344	272,187	31,057	8,6523	270
2019	E6141641905103635	PEPV270	38,304	8,9552	270,465	30,600	8,6783	270
2019	E6141641905103636	PEPV270	38,566	8,9834	272,085	30,772	8,6357	270
2019	E6141641905102234	PEPV270	38,678	8,9547	272,743	30,983	8,5700	270

2019	E6141641905102236	PEPV270	38,634	8,9721	271,063	30,833	8,6511	270
2019	E6141641905102245	PEPV270	38,364	9,0081	270,875	30,983	8,6061	270
2019	E6141641905102486	PEPV270	38,659	8,9695	272,458	30,849	8,6421	270
2019	E6141641905102534	PEPV270	38,634	8,9960	271,675	30,723	8,6698	270
2019	E6141641905102714	PEPV270	38,473	9,0422	271,384	31,356	8,5068	270
2019	E6141641905102772	PEPV270	38,171	8,9895	272,286	30,761	8,6429	270
2019	E6141641905103192	PEPV270	38,075	9,0197	272,457	30,729	8,6376	270
2019	E6141641905103215	PEPV270	38,475	9,0088	272,368	30,763	8,6299	270
2019	E6141641905103219	PEPV270	38,294	9,0138	271,798	30,883	8,6059	270
2019	E6141641905103223	PEPV270	38,279	9,0033	270,927	30,943	8,6200	270
2019	E6141641905103226	PEPV270	38,411	8,9545	270,140	30,870	8,5996	270
2019	E6141641905103228	PEPV270	38,553	9,0228	272,498	30,954	8,6058	270
2019	E6141641905103229	PEPV270	38,291	9,0139	271,380	30,740	8,6440	270
2019	E6141641905103230	PEPV270	38,506	8,9717	270,392	30,851	8,6160	270
2019	E6141641905103231	PEPV270	39,227	9,0043	270,996	31,230	8,6755	270
2019	E6141641905103233	PEPV270	39,344	8,9454	272,283	31,097	8,6855	270
2019	E6141641905103235	PEPV270	38,509	8,9921	270,883	30,799	8,6757	270
2019	E6141641905103247	PEPV270	38,795	8,9731	271,555	31,064	8,6841	270
2019	E6141641905103248	PEPV270	38,821	8,9610	270,650	31,136	8,6554	270
2019	E6141641905103250	PEPV270	38,967	9,0484	270,216	31,262	8,6611	270
2019	E6141641905103259	PEPV270	38,657	9,0191	270,513	31,334	8,6197	270
2019	E6141641905103262	PEPV270	39,322	8,9342	271,198	31,108	8,6643	270
2019	E6141641905103264	PEPV270	38,751	9,0250	270,726	31,125	8,6631	270
2019	E6141641905103265	PEPV270	38,320	9,0047	271,359	30,565	8,6848	270
2019	E6141641905103269	PEPV270	38,644	8,9960	271,856	30,851	8,6526	270
2019	E6141641905103270	PEPV270	38,341	9,0184	271,107	30,708	8,6355	270
2019	E6141641905103271	PEPV270	37,875	9,0490	270,111	31,146	8,5512	270
2019	E6141641905103273	PEPV270	38,653	8,9937	271,271	31,151	8,5688	270
2019	E6141641905103281	PEPV270	38,401	8,9587	270,049	30,767	8,6370	270