



Libra Energy - ROADMAP Inverters, Storage, Mounting Materials and EV

Perspective on Q4 2024 and Q1 2025

Product Management

Check if products and/or combinations are permitted
in – and certified for - the country of installation.

November 2024 (Next update: January 2024)



Changes in the Product Portfolio of Libra Energy (1)

Storage and Accessories	When
Solis	
Solis Hybrids 3-phase inverters RHI series will be replaced by S6-EH3P series	Q1 2025
Solis S6-EA3P10K-NDH AC-Coupled 3-Phase Inverter (S6-EA3P10KAA-NV-ND-H)	Q4 2024
Solis Smart Meter-3P-Eastron-V2, for EH3P series, incl. 3x CT 300A (Solis-3P-Meter-EA-V2)	On Request
Enphase	
Enphase IQ Battery 3T/10T	Immediately no longer available
Enphase IQ Battery 5P 1-Phase /3-Phase (Flex-Phase) initially only for Germany and Austria	Dec 2024 (NL: Q2 2025)
Enphase IQ System Controller 3 (with cellmodem & 5yr dataplan) connects the house to mains power, IQ batteries and solar energy from microinverters and provides backup power, initially only for Germany and Austria	Dec 2024 (NL: Q2 2025)
Enphase Core Current transformers 400A (ENP-CT-400-SPLIT-INT)	On request
GoodWe	
GoodWe LX-D battery will replace LX-F batteries	Q1 2025
Inverters and Accessories	When
SolarEdge	
SolarEdge Accessory SolarEdge ONE Controller (SE-SEM-MNG-WBTE-H000)	Q1 2025
SolarEdge Home Smart Energy Management Devices with Home Network. The Inverter also needs to have Home Network. Home Smart Switch (SEM-SWT-R16-00) / Home Smart Socket DE, NL, ES, PT (SEM-SKT-F13-00) Mixing Home Network and ZigBee devices is possible under certain conditions	March 2025
GoodWe	
GoodWe 3-phase inverters will go from SDT-20 to SDT-30 (SDT G3) series	Q1 2025
Huawei	
Huawei Inverter SUN2000-150K-MG0, 3-Fase, 253.2A, 7 MPPT 21 IN, RS485, AFCI (HUA-150K-MG0)	Q1 2025
Backup Box B1 is going to be replaced by the SmartGuard-63AT0 which includes the EMMA-A02	Q1 2025
Solis	
Export Power Manager 5G Plus is going to be replaced by the PRO version	Q412025
4 pin RS485 Com Plugs (pack of 5 pieces) 4-pin-stick to easily loop through inverters	On Request
5-IN-1 RS485 Cable for max. 5 inverters on 1 communication stick or EPM3	On Request

Changes in the Product Portfolio of Libra Energy (2)

EV	When
Wallbox	
Wallbox Pulsar Pro Socket expected	Q4 2024 – Q1 2025
Zaptec	
Zaptec Go+ is expected	Q3-Q4 2024
Alfen	
Alfen DC 30 available, contact us for more information	Available now
Alfen RTU-meters for loadbalancing	Available now
Huawei	
Huawei SCharger available	Available now
Enphase	
Enphase EV Charger available	Soon
Mounting	
Van der Valk	
Van der Valk ValkAce is expected	April 2025
Van der Valk Carports are expected	Q4 2024 / Q1 2025









Inverters

Perspective on Q4 2024 and Q1 2025

Product Management

SolarEdge – Inverters



	Residential				Commercial, also for 2:1 optimizers	
						
Series	SExxxxH-RW000BxN4	SExK-RWBTEBEN4 (korte string)	SExK-RW0TEBEN4 SE12.5K-RW0T0BEN4	SE16K-RW0T0BNN4 SE17K-RW0T0BNN4	SExxK-RW00IBNM4	SExxK-RW00IBNQ4 SESUK-RWR0INNN4
Phase	1-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase
Power	2.2/3/3.5/3.68/4/ 5/6kW	3/4/5kW	4/5/6/7/8/9/10kW 12.5kW	16/17kW	20/25/30/33.3kW	66/90/100kW
Comment	SolarEdge Home Battery 400V ready	From min. 8 / 9 Optimizers SolarEdge Home Batterij 400V ready				Synergymanager and secondary units
Stock	Shop	Shop	Shop / SE12.5K	SE16K / SE17K	Shop	Shop

For prices and most recent availability, go to the Libra Energy Webshop: [SolarEdge inverters](#)

SolarEdge – Optimizers



Optimizer	Max. Wp	Max. Voc	Max. Isc (max. Imp)	Comment	Stock
Residentieel					
S440	490	60	15	“standard” Optimizer for PV Modules up to and including 490Wp	Shop
S500	550	60	15	Optimizer for PV Modules up to and including 550Wp	Shop
S500B	550	125	16.5 (15)*	Optimizer for PV Modules up to and including 550Wp for short string	Shop
S650B	650	85	16.5 (15)*	Optimizer for PV Modules up to and including 650Wp (for short string)	Shop
Commercieel, vanaf SE20K					
S1000 (2:1)	1000	125	15	For Two PV Modules up to and including 500Wp series connected	Shop
S1200 (2:1)	1200	125	15	For Two PV Modules up to and including 600Wp series connected	Shop
S1400 (2:1)	1400	125	20	For Two PV Modules <=700Wp series connected (and/or for high Current PV Modules)	Shop



For prices and most recent availability, go to the Libra Energy Webshop: [SolarEdge optimizers](#)

*The minimum DC/AC oversizing ratio per inverter shall be at least 120%, according to the datasheet STC values (disregarding bi-facial gains).

Huawei – Inverters







	Commercial				Utility		
							
Serie SUN2000	HUA-xxKTL-M5	HUA-xxKTL-M3	HUA-xxKTL-M2	HUA-150K-MG0	HUA-105KTL	HUA-215KTL-H0 HUA-215KTL-H3	HUA-330KTL-H1
Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase 800V	3-Phase 800V	3-Phase 800V
Power	12/15/17/20/25kW	30/36/40/50kW	100/115kW	150kW	105kW	215kW	330kW
No. MPPT	2 MPPT's	4 MPPT's	10 MPPT's	7 MPPT's	6 MPPT's	9 MPPT's 3 MPPT's	6 MPPT's
Comment	With AFCI	With AFCI		With AFCI	Only for Germany		
Stock	Shop	Shop	Shop	Shop	On Request	Shop	Shop

For prices and most recent availability, go to the Libra Energy Webshop: [Huawei Inverters](#) for other Huawei Inverters, see [Huawei Hybrid Inverters](#)

Solis – Inverters



	Residential				Commercial			Utility
								
Serie	Solis-mini-xxxx-S6	Solis-xxK-S6	Solis-xK-S5-3P	Solis-xxK-S5	Solis-xxK-S5 Solis-xxK-5G-DC	Solis-xxK-S5	Solis-xxK-5G-PRO	Solis-255K-EHV-5G
Phase	1-Phase	1-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase 800V
Power	0,7/1/1,5/2/ 2.5/3/3.6kW	2.5/3/3.6/4/5kW	3/4/5/6/8kW	10/12/15/20kW	25/30/40kW (33/36kW)	50/60kW	80/100/110kW	255kW
No. MPPT	1 MPPT	2 MPPT's	2 MPPT's	2 MPPT's	3/4 MPPT's	5/6 MPPT's	6/8 MPPT's	14 MPPT's
Comment	With AFCI	With AFCI	With AFCI	With AFCI	With AFCI	With AFCI	With AFCI	With AFCI
Stock	Shop	Shop	Shop	Shop	Shop	Shop	Shop	On Request

For prices and most recent availability, go to the Libra Energy Webshop: [Solis Inverters](#). For Communication-modules see [page.20](#)

GoodWe – Inverters



	Residential			Commercial					Utility
Series	GWxxxx-XS-30	GWxxxx-DNS-30	GWxxxx-SDT-20-WIFI	GWxxK-SDT-20-RS485 (GWxxK-SDT-30-RS485)	GWxxK-MT-RS485	GWxxKS-MT-AFCI	GW80K-MT-RS485	GWxxxK-HT-AFCI	GW250K-HT
Phase	1-Phase	1-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase	3-Phase 800V
Power	0.7/1/1.5/2/2.5/ 3kW	3/3.6/4.2/5kW	4/5/6kW	8/10/12/15/17/20kW	25/30/36kW	50/60kW	80kW	100/120kW	250kW
No. MPPT	1 MPPT	2 MPPT's	2 MPPT's	2 MPPT's	3 MPPT's	5/6 MPPT's	4 MPPT's	10/12 MPPT's	12 MPPT's
Comment	with Wifi	with Wifi	with Wifi			with AFCI	with AFCI	with AFCI	800V
Communication module	GW-DLS-COMBINED GW-WIFI-LAN-KIT-20	GW-WIFI-LAN-KIT-20	GW-DLS-COMBINED	GW-DLS-COMBINED (GW-WIFI-LAN-KIT-20)	GW-DLS-COMBINED	GW-DLS-COMBINED	GW-DLS-COMBINED	GW-DLS-COMBINED	GW-DLS-COMBINED
Stock	Shop	Shop	Shop	Shop	Shop	Shop	Shop	Shop	On Request

For prices and most recent availability, go to the Libra Energy Webshop: [GoodWe Inverters](#)

Product	Application	Comment	Stock
Micro omvormer			
1. Micro omvormer	Inverts directly from PV Module DC Voltage to AC grid Voltage	Currently the IQ8Plus is still the default. Max. Voc 60V, Imp 12A.	Shop
Energy Controllers for EV-Charging and heatpump			
HEMS-GW-01	IQ Energy Router		Shop
HEMS-HP-01	IQ Energy Router + Kit Assembly		Shop
Communication and Protection			
2. IQ Gateway	For Communication between Inverters and the Router	Standard or Metered. Were named Envoy before	Shop
3. CT split-core (100A / 400A)	Core Current	If 3-phase Grid locatiion, use 2x 100A CTs extra, if 3-phase connection and 3-phase PV, use 4x 100A CTs extra. At 400A: 6x 400A CTs required	Shop
4. Q-relay	Protection. Has to be placed with every Installation.	Available as Single Phase - and as 3-Phase model. 3-Phase model is also for communication of Inverters on different Phases.	Shop
Cable and Connectors			
5. Q-Cable	Cable to connect Enphase micro-inverters	Different Cables available	Shop
6. Communicationcable	Belcom control cable 25m or 100m	For Communication between IQ Battery 5P and COMMS-KIT-INT-02	Shop
7. Q-Connector	Individual Connectors to connect Q-Cable	E.g. to connect to rows of Micro's. Male and Female separately packed per 10.	Shop
8. Q-Seal	Sealing Cap for Male Connector		Shop
9. Q-Term	Endcap for Q-cable	To make open End of Q-Cable watertight	Shop
Miscellaneous			
10. Q-Disc	Unlock tool for Q-Cable / Micro-Inverter		Shop
11. comms-kit	IQ Battery communication kit	Necessary for communication between battery and IQ Gateway Metered (Wireless)	Shop
12. comms-kit 2	IQ Battery 5P communication kit (COMMS-KIT-INT-02)	Necessary for communication between IQ Battery 5P and IQ Gateway Metered (Wired)	Shop
13. Lifting Handles	Lifting Handles (IQBATTERY-HNDL-5)	Lifting handles for IQ Battery 5P	Shop
14. Pedestal	Vloerstandaard (B05-PM-0550-O)	Optional for IQ Battery 5P	Shop
15. Combinerbox	IQ Combinerbox 3P (X-IQ-EURO2303P41)	AC sub-distribution box for in total 2 PV- or Storage Circuits (each max. 16A)	Shop
16. Combiner Lite	IQ Combiner Lite / IQ Combiner Lite Kit	AC sub-distri.box with Gateway Standard, 1-Ph relay and 4G-LTE modem (Also as kit with 6x IQ8MC)	Shop
17. IQ System Controller 3	Backup System Controller 3 (ENP-SC100G-M230ROW)	The IQ System Controller (with 4G & 5yr Dataplan) connects the house to mains electricity, IQ batteries and solar energy from the microinverters. Initially only for Germany and Austria	Shop



1. Micro omvormer
IQ8+ / IQ8MC / IQ8AC /
IQ8HC



2. IQ Gateway

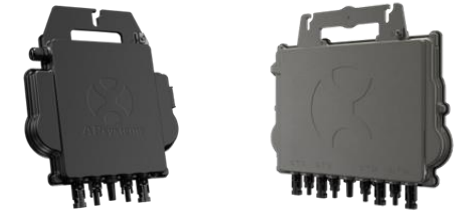


4. Q-relay 3-fase

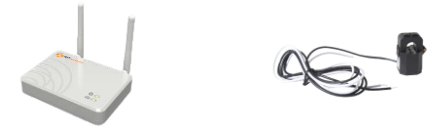


5. Q-kabel

Product	Application	Comment	Stock
Micro Inverters 1-Phase DS3 series (2 : 1), DS3D (4:1) and 3-fase QT2 series (4:1)			
1. Micro Inverter	Inverts directly from PV Module DC Voltage to AC grid Voltage	Currently the DS3-L is the default. Outputpower 730VA. Max. Voc 60V, Imp 2x18A.	Shop
AC-coupled inverter & battery			
ELS-5K	5000VA AC-coupled inverter for LV battery	For 1-phase connection	Shop
AMPACE	6.5kWh LV APbattery	For ELS-5K	Shop
Communication and Safety			
2. ECU	For communication between micro-inverters and the router (Zigbee)	For max. 400 PV Modules: ECU-R, standard; ECU-C, metered For max. 4 PV Modules: ECU-B	Shop
3. SIGNAL-BOOSTER	Signal Booster for ECU to Router (wifi) ór to Micro's (Zigbee)		On Request
4. CT-80A (CT-200A)	Core Current Transformer	If Single Phase Grid location: Two CT's needed. If 3-Phase Location (and Micro's on 3-Phase): 6 CT's needed.	Shop
Cable and Connectors, Single Phase, for DS3 series micro's, APS-Y3-AC-			
5. BUS-2 / BUS-4	Single Phase Cable to connect DS3 series Micro-inverters with each other	Cables with different distance between Connectors available	Shop
Y3-STANDALONE1M	1 meter kabel met contrastekker voor één DS3(D) micro-omvormer		Shop
6. MALE / FEMALE	Connectors to connect APS bus cable (Y3-AC-BUS-2 / -4)	E.g. to connect two rows Micro's on a flat Roof. Male and Female separate available.	Shop
7. CONN-CAP	Sealing Cap for unused Y-connector		Shop
8. BUS-ENDCAP	Endcap for Y3-cable		Shop
9. UNLOCK-TOOL	Tool to disconnect DS3 series Micro from Y3-cable		Shop
Cable and Connectors, 3-Phase, for QT2 series micro's, APS-5C-AC-			
10. BUS-2.4	3-Phase Cable to connect QT2 Micro-inverters with each other		Shop
11. MALE / FEMALE	Connectors to connect APS Bus cable (5C-AC-BUS-2.4)	E.g. to connect two rows Micro's on a flat Roof. Male and Female separate available.	Shop
12. CONN-CAP	Sealing Cap for unused Bus connector		Shop
13. BUS-ENDCAP	Endcap for 5C-cable		Shop
DC Connectors and Cabling often used in combination with APsystems Micro-inverters			
STA-PV-SVK4/ BVK4	Staubli Sealing cap MC4 socket / plug	To seal an unused connection on a APS micro-inverter	Shop
APS-DC-EXT-CABLE-2M	DC Extension Cable 2 meter, assembled with Staubli MC4 M + F		Shop
ATH-ASS6-1M-DCA	DC Extension Cable 1 meter, assembled with Staubli MC4 M + F		Shop



1. Micro Inverters DS3-L / DS3 / QT2



2. ECU-R / ECU-B

4. CT



5. Y3-AC-BUS cable



6. Y3 (fe)male



7. Y3 conn-cap



8. Y3 endkap



9. Y3 unlock tool



Storage

Perspective on Q4 2024 and Q1 2025

Product Management

Storage – Hybrid Inverters (1)

GOODWE






 **solis**

	GoodWe			Solis		
						
Series	N-EH-serie	ES-20 serie	ET-serie	EH1P	RHI / HVES	S6-EH3PxxK-H(EU)
Code	GWxxxN-EH	ES-20 series	GWxxK(N)-ET-BackupSPD2	Solis-S5-EH1PxxK-L	Solis-RHI-3PxxK-HVES-5G-DC	Solis-S6-EH3PxxK-H(EU)
Phase	1-Phase	1-Phase	3-Phase	1-Phase	3-Phase	3-Phase
Power	3.6/5 kW	3/3.6/5 kW	5/6.5/8/10 kW 15/20/25/29.9 kW	3/3.6/4.6/5/6 kW	5/6/8/10 kW	5/6/8/10kW 12/15/20kW 29.9/40/50kW
Compatible battery	HV / Lynx F series	LV / Lynx U series	HV / Lynx F series	LV	HV	HV
Stock	Shop	Shop	Shop	Shop	Shop	Shop

For battery compatibility, see [Storage packages 2024 pdf](#) and for help with choosing an inverter-with-battery, see the *keuze hulp* (selection help) on the web page: [batteries](#) (unfortunately only in Dutch)
 For prices and most recent availability, go to the Libra Energy webshop: [Storage Inverters](#)

Storage – Hybrid Inverters (2)







	SolarEdge		Huawei		
					
Series	Home Wave	3-fase StorEdge / Home Hub	SUN2000 KTL-L1	SUN2000 KTL-M1	SUN2000 K-MB0
Code	SExxxxH-RW000BEN4	SE5K-RWS48BEN4 / SExxK-RWB48BFN4	HUA-xKTL-L1	HUA-xKTL-M1	HUA-xK-MB0
Phase	1-Phase	3-Phase	1-Phase	3-Phase	3-Phase
Power	2.2/3/3.5/3.68/4/5/6 kW	5/8/10 kW	2/3/3.68/4/4.6/5/6 kW	3/4/5/6/8/10 kW	12/15/17/20/25 kW
Compatible battery	SolarEdge Home Battery 400V	SolarEdge Home Battery 48V	Huawei LUNA2000 battery	Huawei LUNA2000 battery	Huawei LUNA2000 battery
Stock	Ethernet / Homenet work ready	Ethernet / Homenet work ready (BEN4) / with Homenet work (BFN4)	With Wifi	With Wifi & Fast Ethernet (FE)	RS485
Series	Shop	SE5K-RWS48BEN4 / Shop	Shop	Shop	Shop

For battery compatibility, see [Storage packages 2024 pdf](#) and for help with choosing an inverter-with-battery, see the *keuze hulp* (selection help) on the web page: [batteries](#) (unfortunately only in Dutch)
 For prices and most recent availability, go to the Libra Energy webshop: [Storage Inverters](#)

Storage – AC-coupled / AC-retrofit Inverters

GOODWE









	Goodwe AC-retrofit			Solis AC-retrofit			APsystems AC-retrofit
							
Series	BH-serie	S-BP-20 serie	BT-serie	RAI	EA1P	EA3P10K	ELS-5K
Code	GWxxxx-BH	GWxxxxS-BP-20	GWxxK-BT	Solis-RAI-3K-48ES-5G	S6-EA1PxK-L	S6-EA3P10K-NDH	APS-ELS-5K
Phase	1-phase	1-phase	3-phase	1-phase	1-phase	3-Phase	1-phase
Power	3.6/5 Kw	3.6/5 kW	5/8/10 kW	3 kW	3.6/4.6/5 kW	10 kW	5 kW
Compatible battery	HV / Lynx F series	LV / Lynx U series	HV / Lynx F series	LV	LV	HV	LV / APS Ampace
Stock	Shop	Shop	Shop	Shop	Shop	Shop	Shop

For battery compatibility, see [Storage packages 2024 pdf](#) and for help with choosing an inverter-with-battery, see the *keuze hulp* (selection help) on the web page: [batteries](#) (unfortunately only in Dutch)

For prices and most recent availability, go to the Libra Energy webshop: [AC-retrofit Inverters](#)

Storage – Batteries HV






	BYD		Pylontech	GoodWe	
					
Series	Battery-Box Premium HVS	Battery-BOX Premium HVM	Force H3	Lynx Home F-serie	Lynx Home D-serie
Usable capacity	5.1/7.7/10.2 kWh	8.3/11/13.8/ 16.6/19.3/22.1 kWh	10.2/15.4/20.5/25.6/ 30.7/35.8 kWh	6.6/9.8/13/16 kWh	5/10/15/20/ 25/30/35/40 kWh
HV/LV	HV-battery	HV-battery	HV-battery	HV-battery	HV-battery
Comment	Stackable, Modular expandable	Stackable, Modular expandable	Stackable, Modular expandable	Stackable, Modular expandable Compatible with GW EH-, BH-, ET- and BT-serie	Stackable (Floor- or wall assembly) Compatible with GW EH-, BH-, ET- en BT-serie
Stock	Shop	Shop	Shop	Shop	Shop

For prices and most recent availability, go to the Libra Energy webshop: [Storage - Batteries HV](#)

Storage – Batteries LV




	Pylontech	BYD	Goodwe	APsystems
				
Series	US5000	Battery-Box Premium LVS	Lynx Home U-20-serie	Ampace 6.5KWh
Usable capacity	4.8 kWh	4/8/12 kWh	5.4 kWh	6.0 kWh
HV/LV	LV-battery	LV-battery	LV-battery	LV-battery
Comment	Rackmountable, Modular expandable	Stackable, Modular expandable	LX-U-20 cannot be mixed with LX-U. Compatible with: GW EM- , ES- and S-BP- series	Compatible with: APsystems ELS-5K
Stock	Shop	Shop	Shop	Shop

For prices and most recent availability, go to the Libra Energy webshop: [Storage - Batteries LV](#)

Storage – Batteries



	SolarEdge		Huawei	Enphase		
						
Series	Home Battery 48V	Home Battery 400V	LUNA2000 S1	IQ battery-3T	IQ battery-10T	IQ battery-5P-1P
Usable capacity	4.6/9.2/13.8/18.4/23kWh	9.6 kWh	6.9/13.8/20.7 kWh	3.5 kWh	10.5 kWh	5.0 kWh
LV/HV/AC	LV-battery	HV-battery	HV-battery	AC-battery, 1-Phase	AC-battery, 1-Phase	AC-battery, 1-Phase
Comment	Compatible with 3-phase Storedge and Home Hub (except Shortstring inverter)	Compatible with HD Wave, Home Wave and Shortstring inverter	Compatible with KTL-L1, KTL-M1 and K-MB0 series Huawei inverters	Last units available for installation in the DACH region, Netherlands, France, Belgium, Spain, Portugal, Sweden, Denmark, Greece, Finland and Luxembourg.		Certified for NL, BE, IT, FR, LX, UK and Italy
Stock	Shop	Shop	Shop	Shop	Shop	Shop

For prices and most recent availability, go to the Libra Energy webshop: [SolarEdge, Enphase and Huawei batteries](#)



Inverter Accessories

Perspective on Q4 2024 and Q1 2025

Product Management

Accessories - Communication

APsystems			
ECU	Zigbee Energy Communication Unit for 400 panels standard: ECU-R (Wifi/LAN), metered ECU-C (Wifi/LAN) or for 4 panels: ECU-B (Wifi)	APsystems DS3 and QT2	Shop
SIGNAL-BOOSTER	Signal Booster for ECU to Router (Wifi) ór to Micro's (Zigbee)		On Request
Enphase			
ENP-CELLMODEM-02	CELLMODEM-02, Mobile Connect 4G-LTE-M modul with 5yr dataplan for 60 micro's	IQ Gateway Standard, IQ Gateway Metered or IQ Combiner	Shop
ENP-ENV-S-EM-230	IQ Gateway Metered, Wifi/LAN, Communication-module with Two CT's in the box, which collects data from all micro's and transmits them to the Enlighten Portal	Enphase IQ7 en IQ8 micro Inverters, not in combination	Shop
ENP-ENV-S-WB-230	IQ Gateway Standard, Wifi/LAN: Communication-module which collects data from all micro's and transmits them to the Enlighten Portal	Enphase IQ7 en IQ8 micro Inverters, not in combination	Shop
ENP-COMMS-KIT-EU-01	Enphase IQ Battery Communication Kit (wireless)	Necessary for IQ Battery 3T or 10T (not for 5P)	Shop
ENP-COMMS-KIT-INT-02	Enphase IQ Battery Communicatie kit 2 (wired using special cable)	Necessary for IQ Battery 5P (not for 3T / 10T)	Shop
Goodwe			
GW-GSM-4G	4G Module (USB): For connection with the Internet via 4G / LTE. SIMcard excluded.	Almost all Goodwe Inverters	Shop
GW-DLS-COMBINED	Combined Wifi / LAN module. Suitable for all recent Inverters except for HT-serie	Almost all Goodwe Inverters	Shop
GW-WIFI-LAN-KIT-20	Combined Wifi / LAN / BT module. USB. Only for: DNS G3 (DNS-30), SDT G3 (SDT-30), XS G3 (XS-30), ES G2 (ES-20) and ET 15-30kW	Only for newest Series Inverters	Shop
Huawei			
SDongleB-06-EU	Smart Dongle 4G-LTE with which you can connect up to 10 RS-485 Devices to the internet using a SIM card	Huawei Inverters	Shop
SDongleA-05	Smart Dongle WLAN-FE. Combined WiFi / FE (fast-Ethernet) to connect max. 10 RS-485 Devices to the internet	Huawei Inverters	Shop
SLogger3000A-0x-EU	Smart Logger to connect max. 80 RS-485 Devices to the internet via WLAN, FE, 4G-LTE (01-EU) or also Mbus PLC (03-EU)	Huawei Inverters	Shop
Slogger3000B-02-EU	Smart Logger to connect max. 150 RS-485 Devices to the internet via WLAN, FE, Mbus PLC or Fiber optic	Huawei Inverters	Shop
SolarEdge			
SE-CELL-B-R0-GLO-VS0	SolarEdge Accessoire Cellular (GSM, LTE) modem for Internet Connectivity	All SolarEdge SetApp Inverters	Shop
SE-ANT-ZBWIFI-KIT	Wifi antenna	All SolarEdge SetApp Inverters, except Synergy	Shop
SE-WFGW-B-S1-RW	Wireless Gateway, Communication-module establishing a closed network between inverter and router. Max. 8 inverters supported.	All SolarEdge SetApp Inverters	Shop
SE-WFRPT-B-S1-RW	Repeater for Wireless Gateway	SE-WFGW-B-S1-RW	Shop
SE-ANT-ENET-HB-01	SolarEdge Accessorie External Antenna for INLINE meter to amplify the signal	Inline meter	Shop
SE-BI-NEUNU3P-01	Home Backup Interface for 3-Phase Home Hub Inverter, with built-in INLINE meter	SolarEdge Home Hub Inverters	Shop
Solis			
Solis-S1-W4G-ST-4P-5	Wifi and/or 4G datalogging stick (4pin) with 5 year Dataplan	Solis Inverters with 4pin connection	Shop
Solis-S1-W4G-ST-4P	Wifi and/or 4G datalogging stick (4pin) excl. Dataplan	Solis Inverters with 4pin connection	Shop
Solis-S3-WIFI-ST	Wifi module for Communication between Inverter and Router	All Solis Inverters	Shop
Solis-DLD-RF-LINK	RF module, to make a closed Network-Connection between Inverter and Router via RF	All Solis Inverters	Shop
Solis-S2-WL-ST	Combined Wifi / LAN module	All Solis Inverters	Shop

For prices and most recent availability, go to the Libra Energy Webshop: [Omvormer Accessories](#)

Accessoires – Energy meters for Power Limitation of Inverters*

APsystems			
ECU-C	Energy Communication unit with consumption measurement (excl. CT's)	For maximum of 400 PV modules	Shop
Core Current Transformers	CT's for the ECU-C, 80A (sec. 26.6mA) and the 200A (sec. 66.66mA) for ECU-C	If 1-phase location: 2x CT's, for 3-phase (3-phase PV): 6 CT's required	Shop
NB: APS-ELS/ELT inverters are supplied with CT's and have a built-in energy meter			
Enphase			
ENV-S-EM-230	Enphase IQ Gateway Metered with 2x 100A CT's	Sufficient measuring CT's for 1-phase location	Shop
CT 100A	Enphase 100A CT CT-100-split-row for ENV-S-EM-230	if 3-phase connection and 3-phase PV: 4 of these CT;s are required additionally	Shop
GoodWe			
CT90	GoodWe 90A CT with with 5 meter cable	For location with 1 inverter of the type: XS-11 / XS-30 / DNS-30	On Request
GM3000	GoodWe 3-Phase energy meter with 3x 120A CT's	For location with 1 inverter of the type 1-Phase or type: KT-DT/SDT-20/KS-MT	Shop
GM330 / GM3000C	GoodWe 3-Phase energy meter, excl. CT's secundair 5A	For location with 1 inverter	Shop
SEC1000	GoodWe Smart Energy Controller, excl. CT's secundair 5A	For multiple, non-hybrid inverters	Shop
SEC1000S	GoodWe Smart Energy Controller for 3-Phase Hybrids ≤10kW, excl. CT's secundair 5A	For max. 10 hybrid inverters, type: GW(5-10)K(N)-ET	Shop
EZLINK3000	GoodWe communication stick for master & slave solution with max. 4x GW(15-29.9)K-ET Inverters	Can be used with the meter supplied with the inverter or GM330 and 3xCT	Shop
Huawei			
SmartPS-100A-1P	Huawei 1-Phase energy meter with 100A CT	For 1-Phase location and en measurement of ≤100A	Shop
EMMA-A02	Huawei 3-Phase inline energy meter en smart energy management (Energy Management Assistant)	For 1- or 3-phase location and measurement of 1x ≤63A or 3x ≤63A	Shop
SmartPS-80AI-T0	Huawei 3-Phase inline energy meter	For 3-phase location and measurement of 3x ≤80A	Shop
SmartPS-100A-S0	Huawei 3-Phase energy meter with 3x 100A CT's	For 3-phase location and measurement of 3x ≤100A	Shop
SmartPS-250A-S0	Huawei 3-Phase energy meter with 3x 250A CT's	For 3-phase location and measurement of 3x ≤250A	Shop
SolarEdge			
MTR-240-1PC1-DWMW	SolarEdge 1-Phase inline energy meter	For 1-Phase residential location and measurement of ≤65A	Shop
MTR-240-3PC1-DAMW	SolarEdge 3-Phase inline energy meter	For 1- or 3-phase residential location and measurement of 1x ≤65A or 3x ≤65A	Shop
MTR-3Y-400V-A	SolarEdge 3-Phase Modbus energy meter excl. CT's	For 3-Phase commercial locations	Shop
Core Current Transformers	CT's secundair 333mV: (70A) / 100A / 250A / 1000A / (1200A) / 3000A	For MTR-3Y-400V-A energy meter	Shop
Solis			
1P-Meter	Solis 1-Fase inline energy meter	For 1-Phase location and en measurement of ≤60A	Shop
3P-Meter	Solis 3-Fase inline energy meter	For 3-phase location and measurement of 3x ≤80A	Shop
3P-Meter-CT-3	Solis 3-Fase energy meter incl. 3x 150A CT's	For 3-phase location and measurement of 3x ≤150A	Shop
EPM3-5G+	Solis Export Power manager Plus, excl. CT's secundair 5A .	For multiple, non-hybrid inverters	Shop
EPM3-5G-PRO	Solis Export Power manager Pro, excl.communication-stick and excl. CT's secundair 5A .	For multiple, non-hybrid inverters	
RHI-Meter-3P	Solis Energy meter for 1-Phase hybrid or RAI inverter combining with measurement of 3-Phases		Shop

*Energy meters for power limitation only. For 24/7 monitoring and/or power limitation brochure, please contact us

Mounting



Perspective on Q4 2024 and Q1 2025

Product Management



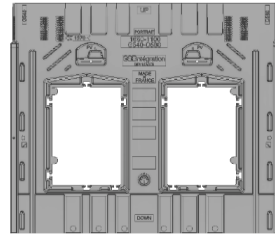
	Pitched roof		Flat roof			ValkCableCare	
Series	ValkPitched – Clamp	ValkPitched – Insert	Valk Pro+ South	Valk Pro+ East/West	Solar ramp	ValkBox3	ValkCableCare
Roof type	Roof tiles/ Corrugated/ Standing seam/ Slated roof/ Steel/ Tarmac EPDM/ PVC	Roof tiles/ Standing seam/ Corrugated/ Tarmac/ EPDM/ PVC	10 degrees	10 degrees	Double/ Triple/ Quattro	1 solo solar module	Cable trays, Cable clamps, PV-Shelters, Cable tubes, Drainage clips
Layout	Portrait or landscape	Portrait or landscape	Portrait or landscape	Portrait or landscape	Landscape	Landscape	Portrait, landscape, etc
Stock	Shop	On request	Shop	Shop	Shop	Shop	Shop

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/solar/montagematerialen>

	Pitched roof	Flat roof
		
Serie	ClickFit EVO	FlatFix Fusion
Opmerking	Rooftiles/ Corrugated/ Steel roof/ Bitumen / Tarmac	South or East/West
Layout	Portrait or landscape	Landscape / Portrait
Voorraad	Shop	Shop

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/solar/montagematerialen>

Portrait 2022



Portrait 2020



Product code	Panel size	Product code	Panel size
GSE-ART105162	H: 1610-1800 W: 1130-1135	GSE-PORTRAIT10 (while supplies last)	H: 1670-1780 W: 995-1000
GSE-ART105197	H: 1800-1990 W: 1025-1030	GSE-PORTRAIT14	H: 1670-1780 W: 1025-1030
GSE-ART105211	H: 1800-1990 W: 1130-1135	GSE-PORTRAIT14.5	H: 1670-1780 W: 1035-1040
		GSE-PORTRAIT1 (while supplies last)	H: 1600-1680 W: 987-992

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/solar/montagematerialen>

Cable and connectors

Perspective on Q4 2024 and Q1 2025

Product Management







Kabel



	Solen Kablo	Donné	Athilex
			
Series	Solen Solar	YmVK	Athilex CCA (BE)
Cable type	Solar cable / DC-cable & Grounding cable	Installation cable / YmVK	Solar cable/ DC-cable
Length	25m, 100m, 500m	100m	100m, 500m
Diameter	4mm ² , 6mm ²	3G2.5, 5G2.5	4mm ² , 6mm ²
Fire class	DCA	DCA	CCA
Extra	-	-	For Belgium
Stock	Shop	Shop	Shop

For prices and most recent availability, go to the Libra Energy Webshop: [Libra Energy - Kabels](#)

Connectoren & Accessoires


	Stäubli					
						
Series	MC4 connector	MC4 EVO2 connector	MC4 EVO Ready connector	String fuses	Y-connectoren / splitters	Accessoires
Description	MC4 connector	MC4 EVO2 connector	MC4 EVO Ready connector	15A & 20A	MC4 EVO2 Y-connector	Crimping pliers, mounting wrenches, Torque wrench, testers, etc
Inside diameter (mm ²)	4-6mm ² (6XUR) 10mm ² (10II)	4-6mm ²	4-6mm ²	-	-	-
Outside diameter (mm)	5.5-7.4 (6XUR)/ 7.0-8.8 (10II)	4.7-6.4mm	5.4-7.6mm	-	-	-
Max. Voltage	1000V	1500V	1500V	1500V	1500V	-
Extra	Compatible with all MC4 connectoren	Compatible with all MC4 connectoren	Compatible with all MC4 connectoren	Compatible with all MC4 connectoren	Compatible with all MC4 connectoren	-
Stock	Shop	Shop	Shop	Shop	Shop	Shop

Voor prijzen en meest recente beschikbaarheid ga naar de Libra Energy Webshop:

[Libra Energy - Stäubli](#)

Kabelmanagement



	Packages	Conduct loose trays	PVX Multimount	PVX Minimount	ValkCableCare
					
Cable trays	35x30 = 3 meters 65x60 65x100	65x60 65x100 65x150 65x400 65x500 65x600	Compatible	Compatible	35x100 35x150 35x200 35x250 35x350 60x50 60x100 60x150 60x200 60x300 60x500
Length	4x3= 12 meters	3 meters	Nvt	Nvt	3 meters
Material	EZ1000	EZ1000	HDPE	HDPE	Hot-dip galvanized
Base	✓	Conduct / PVX	✓	✓	✓
Lid	Optional	✓	Non applicable	Non applicable	✓
Lid connection	Optional	✓	Non applicable	Non applicable	✓
Quick connection	✓	✓	Non applicable	Non applicable	✓
Coupling clamp	✓	✓	Non applicable	Non applicable	✓
Partition	Optional	✓	Non applicable	Non applicable	✓

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/accessoires/kabelmanagement>

EV-Chargers

Perspective on Q4 2024 and Q1 2025

Product Management

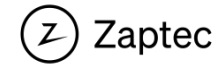
AC-chargers business



	Alfen			Wallbox	Zaptec
Series	Alfen double pro-line	Alfen single pro-line	Alfen Twin	Wallbox Copper SB (Phase out)	Zaptec Pro
Max. 22 kW	✓	✓	✓	✓	✓
Cable or socket	Socket	Both	Socket	Socket Cablelock functionality	Socket Cablelock functionality
Length cable	-	5 of 7,5 meter	-	-	-
RFID	✓	✓	✓	✓	✓
Backoffice	OCPP / E-Flux (optional)	OCPP / E-Flux (optional)	OCPP / E-Flux (optional)	Wallbox / OCPP / E-Flux (optional)	OCPP / E-Flux (optional)
Load balancing	✓	✓	✓	✓	✓
• P1 smart meter	✓	✓	✓	✓	✓
• EM	✓	✓	✓	✓	✓
• Charging hub	✓	✓	✓	✓	✓
Connectivity	GPRS / UTP	GPRS / UTP	GPRS / UTP	Wifi / UTP	Wifi / GPRS / PLC
PV Charging	-	-	-	✓	-
Color	White / Gray	White / Gray	Gray / Custom	Black	Black
Stock	Shop	Shop	Shop	Shop (Phase out)	Shop

Voor prijzen en meest recente beschikbaarheid ga naar de Libra Energy Webshop: [Libra Energy - Laadpalen](#)

AC-laders thuis





	Alfen	Wallbox			Zaptec	SolarEdge	GoodWe	Huawei	Enphase	
Series	Alfen single S-line	Wallbox Pulsar Plus	Wallbox Pulsar Plus Socket	Wallbox Pulsar Max	Wallbox Pulsar Pro	Zaptec Go	SolarEdge Home EV-Lader	GoodWe HCA series	Huawei SCharger	Enphase EV Charger
22 kW	Max 11 kW	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cable or socket	Both	Cable	Socket	Cable	Cable	Socket Cablelock functionality	Cable	Cable	Socket	Both
Cable length	5 or 7,5 meters	5 or 7 meters	-	5 or 7 meters	5 or 7 meters	-	6 meters	6 meters	-	7,5 meters
RFID	✓	-	-	-	✓	✓	✓	-	✓	✓
Backoffice	OCPP / E-Flux (optional)	Wallbox / OCPP / E-Flux (optional)	Wallbox / OCPP / E-Flux (optional)	Wallbox / OCPP / E-Flux (optional)	Wallbox / OCPP / E-Flux (optional)	OCPP / E-Flux (optional)	MySolarEdge	GOODWE	OCPP	Enphase / OCPP
Load balancing	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• P1 port	✓	✓	✓	✓	✓	✓	-	-	-	✓
• Energy meter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• Charging network	✓	-	-	Soon	✓	✓	-	-	-	✓
Connectivity	UTP	Wifi	WiFi	Wifi	Wifi / 4G	Wifi / GPRS / UTP	Wifi / UTP	Wifi	Wi-Fi / UTP	Wi-Fi / 4G / UTP
PV Charging	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Color	White / Gray	Black / White	Black	Black	Black	Black / White / Gray / Green / Blue / Brown	White	Silver	Wit	Gray
Stock	Shop	Shop	Shop	Shop	Shop	Shop	Shop	Shop	Shop	Shop (soon)

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/e-mobility/overzicht>

DC-chargers



	ABB		Alfen
			
Series	ABB Terra CE	ABB Terra DC Wallbox CE	Alfen DC 30
Max kW	54 kW, 124kW, 184kW	24kW	30kW
Cable or socket	Cable	Cable	Cable (CCS2)
Length cable	2 x 3,9 meters or 3 x 3,9 meters	3,9 meters	5 meters
RFID	✓	✓	✓
Backoffice	OCPP	OCPP	OCPP
Connectivity	UTP / GSM (3G, 4G)	UTP / GSM (3G, 4G)	UTP
Stock	Shop	Shop	Shop (Soon)

For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/e-mobility/overzicht>

Chargers – Accessories

Product	Usage	Compatibility	Stock
Alfen			
Carlo Gavazzi Energy meter	For load balancing	CG CT-clamps 250-400/5A	Shop
Wallbox			
Cable holder Black	Cable management	Wallbox chargers	Shop
Cable dock Black	Gun holder + cablemanagement	Wallbox chargers T2 connector	Shop
Energie meter 3-phase	For load balancing		Shop
P1 solution	For load balancing with smart meter	Wallbox chargers and smart meters	Shop
Zaptec			
Tibber Pulse	For Loadbalancing residential	Zaptec Go en Pro	Shop
Zaptec Chill	Kabelhouder	Zaptec Go en Pro	Shop
Zaptec P1 bundle	For loadbalancing	Zaptec Go and Pro	Shop
Onepole mounting pole	Back to back, daisy chaining possible	Zaptec Pro	Shop
EV-Go			
Universal mounting pole	Single or back to back	Alfen, Wallbox, Webasto	Shop
Plates for mounting chargers on pole	Various plates for the different chargers	Alfen, Wallbox, Webasto	Shop
Plastic mounting pole	Single or back to back	Universal	Shop
CED-P1	P1 extension module for load balancing	Universal	Shop
Backoffice			
E-flux	Backoffice system for settlements	Alfen, Wallbox	
XEMEX			
P1MB	P1 to ModBus module		Shop
CSMB	Current sense to Modbus Module		Shop



For prices and most recent availability, go to the Libra Energy Webshop: <https://shop.libra.energy/nl/producten/e-mobility/accessoires>