Your offer from ENVO Energy Solutions includes...



Longi 405W Solar Panel

The Longi 405W panel with it's all-black module design has an excellent outdoor power generation and advanced module technology to deliver superior efficiency.

- Module Efficiency: 20.7%
- Weight:Warranty:
- 21.5kg
- 12yrs
- Dimensions:

energy solutions

- 12yrs
- 1722 x 1134 x 30mm



GivEnergy Inverter

The GivEnergy Hybrid Inverter is a battery and solar inverter in one unit. It can be coupled with the Longi Solar Panel to generate usable energy in your home (example data for 3.6kW)

24kg

- Weight:
- Warranty:
 - **Dimensions:**

5yrs 440H x 260D x 480W mm



Fastensol Mounting Kit

The Fastensol mounting kit is suitable for both pitched and flat roofs and is provided in a black aluminium finish to compliment the Longi Solar Panels

Additional options

You may have been offered battery storage or a power diverter as part of your Solar Together personal recommendation. If these did not form part of your recommendation, you can still discuss these options when one of our surveyors comes out to measure your roof.

GivEnergy Giv-Bat

The GivEnergy battery pack is one of the most versatile batteries and can be installed in a wide range of locations due to its compact design. Can either be wall mounted or floor stood (example data for a 5.2kW).



- Weight: 63kg
- Warranty: 10yrs
- **Dimensions:** 515H x 223D x 480Wmm

Myenergi eddi

eddi is a solar power diverter that helps you to make the most of your self generated power rather than exporting it back to the grid.

- Warranty:
- Dimensions:

3 yrs 220 x 205 x 87mm











Packaging Pricing - Solar Panels

The standard package price includes supply and installation of your solar panels, inverter and mounting system, fully installed, including 10 year warranties and online monitoring.

All prices are inclusive of 0% VAT. Commercial customers will be subject to the 20% VAT rate.

System Size	Price
4 panels	£4,216.00
5 panels	£4,598.00
6 panels	£4,753.00
7 panels	£4,937.00
8 panels	£5,090.00
9 panels	£5,269.00
10 panels	£5,471.00
11 panels	£5,630.00
12 panels	£5,806.00
13 panels	£5,985.00
14 panels	£6,251.00

System Size	Price
15 panels	£6,650.00
16 panels	£7,078.00
17 panels	£7,565.00
18 panels	£7,979.00
19 panels	£8,414.00
20 panels	£8,752.00
21 panels	£9,210.00
22 panels	£9,535.00
23 panels	£9,932.00
24 panels	£10,269.00
25 panels	£10,604.00







Packaging Pricing - Battery

The standard package price includes supply and installation of your solar panels, including your battery storage solution.

All prices are inclusive of 0% VAT.

System Size	Battery Capacity	Price
Small	4.2kWh	£2,690.00
Medium	6.0kWh	£3,006.00
Large	8.2kWh	£3,554.00









Your offer from ENVO Energy Solutions includes...

The following products have been sourced for your installation using market-leading manufacturers, based on their performance, reliability and cost-effectiveness.

GivEnergy Giv-Bat

The GivEnergy battery pack is one of the most versatile batteries and can be installed in a wide range of locations due to its compact design. Can either be wall mounted or floor stood (example data for a 8.2kW).

- Efficiency: 100%
- Weight:
- 103kg
- Warranty: 10 yrs
- **Dimensions:** 669H x 223D x 480Wmm



EV Charge: myenergi zappi

zappi is an EV charger with a difference. zappi can operate as a standard home car charger, using power from the grid. It also has optional charging modes which use 100% green energy generated from your solar pv system.

- Weight: 7.3kg
- Warranty: 3 yrs
- Dimensions: 439 x 282 x 122mm



Packaging Pricing - Battery

The standard package price includes the supply and installation of a battery retrofit storage solution, to compliment your existing solar system.

All prices are inclusive of 20% VAT.

System Size	Battery Capacity	Price
Small	4.2kWh	£4,471.00
Medium	6.0kWh	£5,787.00
Large	8.2kWh	£6,715.00
XLarge	12.8kWh	£9,970.00







Hi-MO 5m

LR5-54HIB **390~410M**

- Suitable for distributed projects
- Advanced module technology delivers superior module efficiency
 •M10 Gallium-doped Wafer • Integrated segmented ribbons •9-busbar Half-cut Cell
- Excellent outdoor power generation performance
- Aesthetic appearance with all black module design



12-year Warranty for Materials and Processing

25-year Warranty for Extra Linear Power Output

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730 ISO9001:2015: ISO Quality Management System ISO14001: 2015: ISO Environment Management System ISO45001: 2018: Occupational Health and Safety TS62941: Guideline for module design qualification and type approval





Hi-MO 5m

LR5-54HIB 390~410M

21.0% **EFFICIENCY**

0~3% POWER TOLERANCE

<2% FIRST YEAR POWER DEGRADATION **0.55%** YEAR 2-25 POWER DEGRADATION

HALF-CELL

Lower operating temperature

Additional Value



Mechanical Parameters

Cell Orientation	108 (6×18)		
Junction Box	IP68, three diodes		
Output Cable	4mm ² , +400, -200mm length can be customized		
Glass	Single glass, 3.2mm coated tempered glass		
Frame	Anodized aluminum alloy frame		
Weight	21.5kg		
Dimension	1722×1134×30mm		
Packaging	36pcs per pallet / 216pcs per 20' GP / 936pcs per 40' HC		





Electrical Characteristics	STC: AM1	.5 1000W/m ²	25°C	NOCT : AM1.5	800W/n	n² 20°C 1m/s	Test und	ertainty for Pmax:	±3%		
Module Type	LR5-54H	IIB-390M	LR5-54H	HB-395M	LR5-54H	IIB-400M	LR5-54H	IIB-405M	LR5-54H	IB-410M	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Maximum Power (Pmax/W)	390	291.5	395	295.2	400	299.0	405	405.0	410	306.5	
Open Circuit Voltage (Voc/V)	36.40	34.23	36.65	34.46	36.90	34.70	37.15	37.15	37.40	35.17	
Short Circuit Current (Icc (A)	12 50	10.00	12.66	11.04	12 70	11.00	12 79	12 79	12.94	11 10	

Short Circuit Current (ISC/A)	13.39	10.99	13.00	11.04	13.72	11.09	15.76	13.70	15.04	11.19	
Voltage at Maximum Power (Vmp/V)	30.45	28.29	30.70	28.52	30.94	28.74	31.18	31,18	31.42	29.19	
Current at Maximum Power (Imp/A)	12.81	10.31	12.87	10.35	12.93	10.40	12.99	12.99	13.05	10.50	
Module Efficiency(%)	20	0.0	20).2	20).5	20	.7	2	1.0	

Operating Parameters

Operational Temperature	-40°C ~ +85°C	
Power Output Tolerance	0~3%	
Voc and Isc Tolerance	±3%	
Maximum System Voltage	DC1000V (IEC/UL)	
Maximum Series Fuse Rating	25A	
Nominal Operating Cell Temperature	45±2℃	
Protection Class	Class II	
Fire Detine	UL type 1 or 2	
Fire Kating	IEC Class C	

Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.050%/°C
Temperature Coefficient of Voc	-0.265%/°C
Temperature Coefficient of Pmax	-0.340%/°C



No.8369 Shangyuan Road, Xi'an Economic And Technological Development Zone, Xi'an, Shaanxi, China. Web: en.longi-solar.com

Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation. (20220121DraftV02)





The GivEnergy Hybrid Inverter is a battery and solar inverter in one unit.

It can be coupled directly with solar panels to generate usable electricity in the property as well as storing any excess energy for later use in a battery. The Hybrid Inverter aims to minimise export by store excess energy in the battery during generation hours. Additionally, it will minimise import by discharging to meet demand in the property.



Remote Firmware

Control and monitor your Smart System on the move via our GivEnergy Monitoring App and Portal.



New Solar Installations

Replace your old storage system with a brand new Smart System and gain the benefits of renewable energy.



Flexible Rate Tariff

Charge from the grid at off-peak times where energy is cheaper, and discharge at peak times where energy is more expensive.



5 Year Warranty

Supplied with a full manufacturers warranty, extendable to 10 years. Our UK team are on hand to help you should any issues arise.

Hybrid Inverter 3.6 Gen 1

INPUT DATA (PV)

Max. DC Power	4700W
Max. DC Voltage	580V
Start-up Voltage	140V VOC (120V Vmpp)
DC Nominal Voltage	360V
PV Nominal Voltage	120V - 580V
MPPT Voltage Range	120V - 550V
Max. Input Current per String	11A
Number of Independent MPPT Input	2

OUTPUT DATA (AC)

Nominal AC Output Power	3600W
Max. Apparent Power	3680VA
Max. Output Current	16A
AC Voltage	180V - 280V
AC Grid Frequency Range	50±5Hz
Power Factor at Rated Power	1
Power Factor	0.9 Lagging 0.9 Leading
THDI	<3%
AC Connection	Single Phase (multiple units can be installed for 3 phase)

BATTERY

Nominal Power	2600W
Max. Charging / Discharging Current	50A / 50A

BACKUP OUTPUT

Max. Power Output (Battery + Solar)	3600W
Max. Power Output from Battery	2600W
Output Frequency	50 Hz
Output Voltage	230V

PROTECTION DEVICES

Yes
Yes
30A Peak
40A Peak
25A RMS
Yes

GENERAL DATA

Dimensions	440H x 260D x 480W (mm)
Weight	24 Kg
Operating Temperature Range	-25°C > 55°C (Ambient)
Consumption Operating (Standby) / Night	<5W / <0.5W
Тороlоду	Transformerless
Cooling Concept	Natural
Enviromental Protection Rating	IP65

FEATURES

PV Connection	H4 / MC4
Battery Connection	Screw Terminal
AC Connection	Screw Terminal
Display	LED
Interfaces: WiFi / USB / GPRS / RS485 / 4G	Opt / Yes / Opt / Yes / Opt
Warranty	Yes / Opt

CERTIFICATES AND APPROVALS

AA4777, VDE-AR-N4105, VDE0126, G98, IEC2109-1-2, IEC62040, EN61000-6-2, EN61000-6-3, EN50549, G100





The GivEnergy Hybrid Inverter is a battery and solar inverter in one unit.

It can be coupled directly with solar panels to generate usable electricity in the property as well as store any excess energy for later use in a battery. The Hybrid Inverter aims to minimise export by storing excess energy in the battery during generation hours. Additionally, it will minimise import by discharging to meet demand in the property.



Remote Firmware

Control and monitor your Smart System on the move via our GivEnergy Monitoring App and Portal.



New Solar Installations

Replace your old storage system with a brand new Smart System and gain the benefits of renewable energy.

8

Flexible Rate Tariff Charge from the grid at off-peak times where energy is cheaper and

discharge at peak times where energy is more expensive.



5 Year Warranty

Supplied with a full manufacturers warranty, extendable to 10 years. Our UK team are on hand to help you should any issues arise.

Hybrid Inverter 5.0 Gen 1

INPUT DATA (PV)

Max DC Power	6500W
Max DC Voltage	580V
Start Voltage	140V VOC (120V Vmpp)
DC Nominal Voltage	360V
PV Nominal Voltage	120V - 580V
Nominal Voltage Range	120V - 550V
Max. Input Current Per String	11A
Number of Independent MPPT Input	2

OUTPUT DATA (AC)

Nominal AC Output Power	5000W
Max. Apparent Power Output to Utility Grid	5000VA
Max. Output Current	21.7A
Nominal Voltage / Range	180VAC - 270VAC
Frequency Range	50 / 60±5Hz
Power Factor (Full Load)	>0.99
Power Factor Range	0.8 Lagging 0.8 Leading
THDI (Nominal Power)	<3%
AC Connection	Single Phase

BATTERY POWER

Nominal AC Output Power	2500W
Max. Charging / Discharging Current	50A / 50A

BACKUP OUTPUT

Max. Power Output (Battery + Solar)	5000W
Max. Power Output from Battery	2600W
Output Frequency	50 Hz
Output Voltage	230V

PROTECTION DEVICES

DC Reverse Polarity Protection	Yes
DC Switch Rating for each MPPT	Yes
Output Over Current Protection	Yes
Output Overvoltage Protection Varistor	Yes
Ground Fault Monitoring	Yes
Grid Monitoring	Yes
Max. Inrush Current	30A Peak
Max. Output Fault Current	40A Peak
Max. Output Overcurrent Protection	25A RMS
Earth Leakage Current Monitoring	Yes

GENERAL DATA

Dimensions (HxDxW)	440H x 260D x 480W (mm)
Weight	24 Kg
Operating Temperature Range	-25°C > 55°C (Ambient)
Consumption Operating (Standby) / Night	<5W / <0.5W
Inverter Topology	Transformerless
Cooling Concept	Natural
Environmnetal Protection Rating	IP65

FEATURES

PV Connection	H4 / MC4
Battery Connection	Screw Terminal
AC Connection	Screw Terminal
Display	LED
Interfaces: WiFi / USB / GPRS / RS485 / 4G	Opt / Yes / Opt / Yes / Opt
Warranty	Yes / Opt

CERTIFICATES AND APPROVALS

TÜV CE, TÜV IEC 62109-1&2, TÜV VDE 0126-1-1, TÜV AS4777&AS/NZS 3100, EN50549, SAA, G99, G100

+44(0)333 300 1303



eddi



Eco-Smart Energy Diverter



eddi is an eco-smart energy management system. It diverts surplus power from solar PV or wind generation to a designated heating appliance such as an immersion heater. This excess energy will go directly to the appliance (or two sequentially). eddi allows you to stop exporting surplus energy back to the grid and saves you money on your energy bill.

vorisine

eddi utilises myenergi's proprietary VariSine™ technology to ensure compliance with worldwide power grid standards

Internet connected & remote controllable

Works with heat pumps When used with optional Relay & Sensor Board 3-Year Warranty

eddi Features

\gg	3.68kW / 16A max heater load	\gg	Supports two heaters (sequentially)
\gg	Expansion module option – 2 extra outputs with temperature control	\gg	Wall mounting bracket for ease of installation
\gg	Integral bypass switch	\gg	Overload and short-circuit protection
\gg	Graphical back-lit LCD screen for ease of use	\gg	Ethernet port and built-in WiFi for connecting to the internet
\gg	Fan-less cooling	\gg	Complies with CE and UKCA Requirements
\geqslant	Built-in programmable boost timers	\gg	Works alongside battery storage systems
\gg	VariSine™ PWM technology	\gg	Energy monitoring on the go via the myenergi app

Free Water & Space Heating using Excess Energy from your Solar PV or Wind Turbine

Performance	
Power Control Technology: Outputs: Bypass Switch: Cooling: Indicators: Display: PWM Resolution: Measurement Accuracy: Power Conversion Efficiency: Compliance:	VariSine [™] pure sine wave (Pulse Width Modulation) 2 (Sequential operation with selectable priority) Integral On/Off/Bypass Switch Rear mounted passive cooled heatsink LED indication: Supply On. Heater 1 and Heater 2 active Graphical LCD with LED backlight (Shows heating status and savings data) 0.1% +/- 1% 97.5% typ. LVD 2014/35/EU, EMC 2014/30/EU, EN 60335-1:2012, EN 55014- 1:2006, EN 55014-2:1997, +A1:2001+A2:2008, EN 61000-3- 2:2006, +A1:2009+A2:2009, EN61000-3-3:2008
Electrical Specs	
Rated Input Power: Rated Supply Voltage: Supply Frequency: Rated Current: Standby Power Consumption: Generator Size Supported: Heater Load Size: Wireless Interface: Grid Current Sensor: Supply Cable Entry:	3.68kW 230V AC Single Phase (+/- 10%) 50Hz 16A 3W Typical No limit (Subject to 100A per phase grid supply ¹) 100W min. 3.68kW max. 868 / 915MHz (proprietary protocol) for wireless sensor and remote monitoring options 100A max. primary current ¹ , 16mm max. cable diameter Bottom Entry
Mechanical Specs	
Dimensions: Weight: Protection Degree: Enclosure Material: Operating Temperature: Mounting Method:	220 x 205 x 87mm (excluding wall bracket) 4.3Kg (excluding wall bracket) IP20 Painted Zintec Steel -20°C to +40°C Wall Mounting Bracket
Relay & Sensor Board (Optional)	
Economy Tariff Sense Input (eSense): Multifunction Relay: Temperature Sensor Inputs:	230V AC sensing (2.5kV isolated) 2x 16 Amp 2x PT1000
Model number	

EDDI-16A1P02H

 ¹ 65A when current transformer is connected using a harvi wireless transmitter (optional)
Published JUNE 2022 myenergi Ltd. Pioneer Business Park, Faraday Way,
United Kingdom – D3204 Stallingborough, Grimsby, DN41 8FF, UK
Revision 2.0

GivEnergy[®]



The 8.2kWh battery pack is the most popular Battery pack of its size for medium size properties.

During the summer there is enough capacity to store up to 50% of your daily generated energy (based upon a 4kWp PV system) and in the winter the pack can deliver up to 80% of your daily household energy (based upon a household using 10kWh/Day).

Utilising lithium iron phosphate technology, our batteries are extremely safe and can be installed in a wide range of locations. The battery chemistry does not contain any Cobalt, making it non-flammable and the battery pack is 99% recyclable. Our market leading battery warranty means you can use your battery as often as you need for 10 years and still be covered.



Remote Firmware

Control and monitor your Smart System on the move via our GivEnergy Monitoring App and Portal.



IP65 Rating

Our IP65 rated enclosure gives protection against water and dust. Ideal for lofts and outdoor installation.



Retrofit Compatible

Add the battery to an existing Solar PV System without affecting the Government Incentive.



10 Year Warranty

Supplied with a full manufacturers warranty. Our UK team are on hand to help you should any issues arise.

Standalone Battery System

A standalone battery can be used without the need for Solar Panels. Charge the battery off peak where its cleaner, greener and less costly then discharge the battery during peak times for maximum saving.

Giv-Bat 8.2 Unlimited Gen 1

SPECIFICATIONS

Dimensions	669H X 223D x 480W (mm)
Weight	103Kg
Capacity	8.2 kWh / 160 Ah
Voltage	51.2V
Current	80A
Technology	LifePO ₄ Cell
IP Grade	IP65
BMS	Robust Multi Point Monitoring BMS Pre Installed
Life Cycling (Optimal: 100% DOD at 25°C)	10 Years
Charging Temperature	0°C - 55°C
Discharging Temperature	-10°C - 55°C
Storage Temperature	-30°C - 60°C
Warranty	Unlimited Cycles / 10 Years
Standard	UN 38.3, IEC61000

ELECTRICAL PARAMETERS

Operating Voltage Range	45V - 58V
Maximum Charging Voltage	59V
Max. Charging / Discharging Current	80A / 80A
Networking Interface	RS485
Communication Protocols	Modbus
Advantages	Stackable, BMS Upgradeable, IP65
Depth of Discharge	100%



zappi



zappi has 3 charging modes which makes it great for all homeowners. Those with grid-tied microgeneration systems like wind or solar can use the eco setting to save on their energy bills. The charging current is automatically and continually adjusted in response to on-site generation and household power consumption. In FAST charge mode, zappi operates like an ordinary EV charging station.

 \gg 7kW Single Phase

22kW 3-Phase \gg

Charge your EV with your PV

EV charging from surplus solar or wind generation

Dynamic load balancing for maximum installation flexibility

Advanced integral safety features

R Zappi Features

>3 Charging Modes: ECO, ECO+ and FAST Tap Operated Display Backlight **Optimises Microgeneration Self-consumption Built-in RCD Protection** >Works with Solar PV or Wind Turbine Systems Integral Cable Holster (Tethered Version) Economy Tariff Sense Input Remote Control & Monitoring **Programmable Timer Function** Supplied with Clip-on Grid Sensor(s) Charge & Event Logging Works Alongside Battery Storage System Pin-code Lock Function **Future Proof Installation** OZEV (Home/Work Scheme) Approved 3 Year Warranty Ethernet Port and built-in WiFi for Connecting to Complies with CE and UKCA Requirements

Published March 2022 United Kingdom Revision 2.1.3

the Internet





A Dorformanco

ECO

Charge power is continuously adjusted in response to changes in generation or power consumption elsewhere in the home. Charging will continue until the vehicle is fully charged, even if power is drawn from the grid.

ECO+

Charge power is continuously adjusted in response to changes in generation or power consumption elsewhere in the home. Charging will pause if there is too much imported power, continuing only when there is surplus free power available. FAST



In this mode, the vehicle will be charged at maximum power. This is just like an ordinary Mode 3 charging point.

Ferformatice	
Mounting Location	Indoor or Outdoor (Permanent Mounting)
Charging	Mode 3 (IEC 61851-1 Compliant Communication Protocol
Display	Graphical Backlit LCD
Front	LED Multicolour, According to Charge Status and Current
Charging Current	6A to 32A (Variable)
Dynamic Load Balancing	Optional Setting to Limit Current Drawn from the Unit Supply or the Grid
Connector Type	Type 2 Tethered Cable (6.5m) or Type 2 Socket with Locking System
Charging Profile	3 Charging Modes: ECO, ECO + and FAST
Metering Accuracy	Load and External CTs Designed to Meet Class B (1%) of EN 50470 ≫ Load: 0.25A-5(32)A ≫ External CTs: 0.25A-5(100)A
eSense	In addition to the wide range of voltages below the eSense input can also work with a volt free contact. Range 3.3-230Vrms Volt Free Contact (24Vdc Supplied from the zappi)
Compliance	LVD2014/35/EU, EMC 2014/30/EU, EN 61851-1:2019*, EN 62916-2:2017, ROHS 2011/65/EU, CE Certified 2014/53/EU (RED), 2011/65/EU (RoHS), 2014/30/EU (EMC), 2014/35/EU (LVD).

*Complies fully with the requirements of EN61851-1:2019 with the exception of Clause 8.4 in order to meet the requirements of BS7671:2018 Amendment 1:2020. BS7671:2018 requires the protective earth conductor be switched in order to provide protection against a damaged PEN conductor in a TN-C-S earthed system.

$\overline{\mathbf{\bigtriangledown}}$ Electrical Specs

Rated Power	7kW (Single Phase) or 22kW (3-Phase)
Rated Supply Voltage	230V AC Single Phase or 400V AC 3-Phase (+/- 10%)
Supply Frequency	50Hz
Rated Current	32A max.
Standby Power Consumption	3W
Integral Earth Leakage Protection	30mA Type A RCD + 6mA DC Protection (EN 62955) Note : Local electrical installation Regulations may require a separate RCD
Economy Tariff Sense	Input 3.3 - 230Vrms AC Sensing (4.0kV Isolated) Volt Free Contact (24Vdc Supplied from the zαρρi)

+44(0)333 300 1303



Wireless Interface	868/915 MHz (Proprietary Protocol) for Wireless Sensor and Remote Monitoring Options
Grid Current Sensor	100A max. Primary Current, 16mm max, Cable Diameter
Cable Entry	Rear, Bottom or Side

Nechanical Specs

Enclosure Dimensions	439 x 282 x 122mm
Protection Degree	IP65 (Weatherproof)
Enclosure Material	PC/ASA (Batch dependant)
Operating Temperature	-25 °C to +40 °C
Impact Resistant	IK10

Installation Requirements

Circuit Breaker32A Curve BEarthing ArrangementTN: Can be Connected to the PME Supply. Complies with BS7671:2018-
amd1:2020 722.411.4.1 (v)
TT: Earth Resistance < 200 Ω according to BS 7671:2018 or <100 Ω for some
vehicles.
Check Local Wiring Regulations for a Separate Type A RCD.

Model Variations Colour Model No. Rating Connector ZAPPI-2H07UW 7kW Untethered White ()ZAPPI-2H07TW 7kW Tethered White ZAPPI-2H07UB 7kW Untethered Black Tethered ZAPPI-2H07TB 7kW Black \bigcirc ZAPPI-2H22UW 22kW Untethered White 22kW Tethered White ZAPPI-2H22TW 22kW Untethered ZAPPI-2H22UB Black ZAPPI-2H22TB 22kW Tethered Black





TS4-A-O

Module-level PV Optimizer

The TS4-A-O (Optimization) is the advanced add-on optimization solution that brings smart module functionality to standard PV modules for higher reliability. Improve energy efficiency by upgrading underperforming PV systems or adding smart features to new installations.

Complies with 2017 and 2020 NEC rapid shutdown requirements.

The TS4-A-O add-on supports PV modules up to 700W.

Included Features



Module-level **optimization** for increased energy yield and greater design flexibility



Manual or automatic module-level **shutdown.** Complies with NEC 2017 and 2020.



Module-level **monitoring** for energy production tracking and system management

Easy Installation

Snap to standard module frame or remove brackets for rack mounting

Smart Commissioning

Configure and commission with your Android or iOS mobile device



TS4-A-O SPECIFICATIONS

Environmental	
Operating Temperature Range	-40°C to +70°C (-40°F to +158°F)
Outdoor Rating	IP68
Maximum Elevation	2000m
Mechanical	
Dimensions	W=138.4mm, L= 139.7mm, H= 22.9mm
Weight	520g
Electrical	
Total Max Input Voltage (V _{oc} @ Lowest Temperature)	80V
Voltage Range	16 - 80∨
Maximum Current	15A
Maximum Power	700W
Cable Length (in/out)	0.12/1.2m (standard), 0.62/1.2m (optional)
Connectors	MC4, EVO2
Communication Type	Wireless
Recommended Fuse Rating	30A

TAP required for module-level shutdown and CCA required for monitoring with TS4-A-O.



*Clips can be removed for rack mounting



ORDERING INFORMATION

Standard	Description
461-00252-32	1000V TÜV, 1.2m cable, MC4
461-00261-32	1500V TÜV, 1.2m cable, EVO2
Options	Description
Options 461-00252-62	Description 1000V TÜV, 0.62/1.2m, MC4



Tigo

For sales info: sales@tigoenergy.com

For product info: Visit tigoenergy.com/products

For technical info: Visit <u>support.tigoenergy.com</u>

For additional info and product selection assistance, use Tigo's online design tool at tigoenergy.com/design



Tigo Energy, Inc. | www.tigoenergy.com | sales@tigoenergy.com