ZeverCom & ZeverCom WiFi

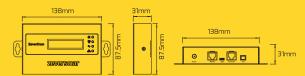
The ZeverCom is a cost effective monitoring and control solution designed for the residential home owner. It is the gateway to our ZeverCloud monitoring portal which lets you view the real time PV system performance and creates regular performance reports which can be sent via email to the home owner. The graphical user interface makes configuration and system commissioning simple whilst allowing the possibility of grid feed-in management such as power limitation. The addition of a digital output port allows you to control external loads or devices to allow you to better manage your energy production and consumption.



Features

- · System monitoring via the ZeverCloud Portal
- Integrated webserver
- · Communicates with up to 5 inverters
- · Standard RS485 interface
- · Remote monitoring via Ethernet or WiFi
- · Power limit setting
- Integrated multi-function switch/relay
- Earth fault alarm conformity with AS/NZS 5033
- · Zero export control conformity with Australia Ergon&Energex guideline
- 5 days of storage for a PV plant with 5 inverters

Dimensions



Electrical Data Power requirements DC 7.5-12V / 300mA DC 7.5-12	/s	1.5W Self-powered®/ power adapter optional	2.5W Self-powered [®] / power adapter optional	
Max. power consumption 1.5W 2.5W Power supply Self-powered [®] / power adapter optional Self-powered [®] / power adapter optional User Interface Digital output • • Digital input - • Ethernet 10/100 Mbit/s • • WiFi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK) - • RS485 • / x 2 • / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data 100 m 138 x 31 x 87.5mm Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm	/s	1.5W Self-powered®/ power adapter optional	2.5W Self-powered [®] / power adapter optional	
Power supply Self-powered [®] / power adapter optional Self-powered [®] / power adapter optional User Interface • • Digital output • • Digital input - • Ethernet 10/100 Mbit/s • • WiFi (2.4GHz, 802.11 b/g/n, WEP, WPA, WPA2, PSK) - • RS485 • / x 2 • / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data 100 m 138 x 31 x 87.5mm	/s	Self-powered®/power adapter optional	Self-powered ¹⁾ / power adapter optional	
User Interface Digital output ● × 2 ● × 2 ● × 2 ● × 2 ● × 2 ● × 2 ● × 2 ● × 2 ● × 3 ● × 3 × 3 ● ● ● ● ● ● ● ● ● <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td>		· · · · · · · · · · · · · · · · · · ·		
Digital output ● ● Digital input - - Ethernet 10/100 Mbit/s ● ● WiFi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK) - ● RS485 ● / x 2 ● / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm		•	•	
Digital input - - Ethernet 10/100 Mbit/s ● ● WiFi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK) - ● RS485 ● / x 2 ● / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Jimensions (W x H x D) 138 x 31 x 87.5mm		•	• -	
Ethernet 10/100 Mbit/s ● ● W/Fi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK) − ● R5485 ● / x 2 ● / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range R5485 1000 m 1000 m Ethernet 1000 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		-	<u>-</u>	
WiFi (2.4GHz, 802.11 b/g/n, WEP,WPA,WPA2,PSK) - ● RS485 ● / x 2 ● / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm				
RS485 ● / x 2 ● / x 2 LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm	o/g/n, WEP,WPA,WPA2,PSK)	•	•	
LCD 16 x 2 characters 16 x 2 characters LED x 4 x 4 Communication range RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		-	•	
LED x 4 x 4 Communication range x 4 x 4 RS485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		•/x2	•/x2	
Communication range R5485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		16 x 2 characters	16 x 2 characters	
R5485 1000 m 1000 m Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		x 4	x 4	
Ethernet 100 m 100 m Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm	Communication range			
Mechanical data Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		1000 m	1000 m	
Dimensions (W x H x D) 138 x 31 x 87.5mm 138 x 31 x 87.5mm		100 m	100 m	
	Mechanical data			
Waight	0)	138 x 31 x 87.5mm	138 x 31 x 87.5mm	
weight 250g 260g		230g	260g	
Installation wall, indoor wall, indoor		wall, indoor	wall, indoor	
Environmental conditions				
Operation -10°C +60°C / +14°F +140°F -10°C +60°C / +14°F +140°F		-10°C +60°C / +14°F +140°F		
Storage and shipment -30°C +80°C / -22°F +176°F -30°C +80°C / -22°F +176°F		-30°C +80°C / -22°F +176°F	-30°C +80°C / -22°F +176°F	
Relative humidity (non-condensing) 5% 95% 5% 95%	n-condensing)	5% 95%	5% 95%	
Protection class IP20 IP20		IP20	IP20	
General data				
ZeverCloud support ●		•	•	
Integrated webserver • •		•	•	
Multi-language support EN, DE EN, DE		EN, DE	EN, DE	
Certificates and approvals CE CE	vals	CE	CE	
Feature				
Number of connected inverters Max. 5 Max.5	inverters	Max. 5	Max.5	
Inverter fault alarm output ●	utput	•	•	
Multi-Function Switch ● ●		•	•	
Active power limit setting ● ●		•	•	
Storage 5 days 5 days	ung	E 1		
Firmware update Ethernet Ethernet Ethernet / WiFi	ung	5 days	5 days	

• standard optional - not available

1) Communication cable length between inverter and ZeverCom should not exceed 20m

As of April, 2016 / Technical data is subject to revisions.

ZeverManager

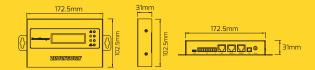
The ZeverManager is our monitoring and control solution specifically designed for large PV systems. It is the gateway to our ZeverCloud monitoring portal which lets you view the real time PV system performance and create regular performance reports which can be sent via email to the plant operator. The graphical user interface makes configuration and system commissioning simple whilst allowing the possibility of grid feed-in management such as power management and power factor control.



Features

- · System monitoring via the ZeverCloud Portal
- Integrated webserver
- · Communicates with up to 50 inverters
- · Standard RS485 interface
- · Remote monitoring via Ethernet
- · Power management capability incl. digital input
- · Integrated multi-function switch/relay
- Earth fault alarm conformity with AS/NZS 5033
- Zero export control conformity with Australia Ergon&Energex guideline
- 5 days of storage for a PV plant with 50 inverters

Dimensions



Power requirements	Model	ZeverManager	
Max. power consumption 2,5W Power adapter			
Note Note	Power requirements	DC 7.5-12V / 300mA	
Digital output	Max. power consumption	2.5W	
Digital jour	Power supply	Power adapter	
Digital input	User Interface		
Ethernet 10/100 Mblt/s	Digital output	•	
Wilf (2.4GHz, 802.11 b/g/n)	Digital input	• / × 4	
RS485 (RI45) • / x 2 Micro USB • LCD 15x 2 characters LED • / x 4 Communication range		•	
RS485 (RI45) • / x 2 Micro USB • LCD 15x 2 characters LED • / x 4 Communication range	WIFI (2.4GHz, 802.11 b/g/n)		
LCD 16 x 2 characters LED ◆ / x 4 Communication range RS485 1000 m Ethernet 100 m Mechanical data Dimensions (W x H x D) 172.5 x 31 x 102.5mm Weight 350g Installation wall, indoor Environmental conditions wall, indoor Operation -10°C+60°C / +14°F+140°F Storage and shipment -30°C+80°C / -22°F+176°F Relative humidity (non-condensing) 5%95% Protection class IP20 General data -20°C+80°C / -22°F+176°F Evere(Loud support • Integrated webserver • Multi-language support • Cettificates and approvals CE Feature Number of connected inverters Max. 50 Inverter faitt alarm output • Multi-Function Switch • Active power limit setting • Power management [®] • Storage 5 days	RS485 (RJ45)	• / x 2	
LED • / x 4 Communication range 6 RS-AB5 1000 m Ethernet 100 m Mechanical data 100 m Dimensions (W x H x D) 172.5 x 31 x 102.5 mm Weight 350g Installation wall, indoor Environmental conditions • Operation -10°C+60°C / +14°F+140°F Storage and shipment -30°C+80°C / -22°F+176°F Relative hunditly (non-condensing) 5%95% Protection class IP20 General data 2 Zever Cloud support • Integrated webserver • Multi-language support EN, DE Certificates and approvals CE Feature Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management [®] 5 days	Micro USB	•	
Communication range R5485 1000 m Ethernet 1000 m Mechanical data	LCD	16 x 2 characters	
R5485 1000 m Ethernet 100 m Mechanical data 172.5 x 31 x 102.5mm Dimensions (W x H x D) 172.5 x 31 x 102.5mm Weight 350g Installation wall, indoor Environmental conditions • and indoor Operation -10°C +60°C / +14°F +140°F Storage and shipment -30°C +80°C / -22°F +176°F Relative humidity (non-condensing) 5% 95% Protection class IP20 General data 2 ZeverCloud support • Integrated webserver • Multi-language support EN, DE Certificates and approvals CE Feature Max. 50 Number of connected inverters Max. 50 Inverter faul alarm output • Multi-Function Switch • Active power limit setting • Power management [®] • Storage 5 days	LED	• / × 4	
Ethernet Mechanical data Dimensions (W x H x D) Weight 350g Installation wall, indoor Environmental conditions Operation -10°C +60°C / +14°F +140°F Storage and shipment -30°C +80°C / -22°F +176°F Relative humidity (non-condensing) 5% 95% Protection class IP20 General data ZeverCloud support ZeverCloud support • Integrated webserver • Multi-language support EN. DE Certificates and approvals CE Feature Max. 50 Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management ¹⁰ • Storage 5 days	Communication range		
Mechanical data Dimensions (W x H x D) 172.5 x 31 x 102.5mm Weight 350g Installation wall, indoor Environmental conditions -10°C +60°C / +14°F +140°F Operation -10°C +60°C / +22°F +176°F Storage and shipment -30°C +80°C / -22°F +176°F Relative humidity (non-condensing) 5% 95% Protection class IP20 General data 2everCloud support Integrated webserver • Multi-language support EN, DE Certificates and approvals CE Feature Number of connected inverters Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management ¹⁰ • Storage 5 days	RS485	1000 m	
Dimensions (W x H x D) 172.5 x 31 x 102.5mm Weight 350g Installation wall, indoor Environmental conditions	Ethernet	100 m	
Weight 350g Installation wall, indoor Environmental conditions Operation -10°C+60°C/+14°F+140°F Storage and shipment -30°C+80°C/-22°F+176°F Relative humidity (non-condensing) 5%95% Protection class IP20 General data ZeverCloud support • Integrated webserver • Multi-language support EN, DE Certificates and approvals CE Feature Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Frunction Switch • Active power limit setting • Power management ¹⁰ • Storage 5 days	Mechanical data		
Installation wall, indoor Environmental conditions Operation -10°C+60°C/+14°F+140°F Storage and shipment -30°C+80°C/-22°F+176°F Relative humidity (non-condensing) 5%95% Protection class IP20 General data ZeverCloud support • • • • • • • • • • • • • • • • • •	Dimensions (W x H x D)	172.5 x 31 x 102.5mm	
Environmental conditions Operation -10°C +60°C / +14°F +140°F Storage and shipment -30°C +80°C / -22°F +176°F Relative humidity (non-condensing) 5% 95% Protection class P20 General data ZeverCloud support • • Integrated webserver • • Multi-language support EN, DE Certificates and approvals EN, DE Certificates and approvals CE Feature Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management® • Storage 5 days	Weight	350g	
Operation -10°C +60°C / +14°F +140°F Storage and shipment -30°C +80°C / -22°F +176°F Relative humidity (non-condensing) 5% 95% Protection class P20 General data ZeverCloud support • • • • • • • • • • • • • • • • • • •	Installation	wall, indoor	
Storage and shipment -30°C+80°C/-22°F+176°F Relative humidity (non-condensing) 5%95% Protection class IP20 General data ZeverCloud support • Integrated webserver • Multi-language support EN, DE Certificates and approvals CE Feature Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management ¹⁾ • Storage 5 days	Environmental conditions		
Relative humidity (non-condensing) Protection class Protection class General data ZeverCloud support Integrated webserver Multi-language support Certificates and approvals Certificates and approvals Certificates and approvals CE Feature Number of connected inverters Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management [®] Storage Storage			
Protection class General data ZeverCloud support Integrated webserver Multi-language support Certificates and approvals Cettificates and approvals Cettificates and approvals Cettificates and approvals Number of connected inverters Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management [®] Storage Flags IP20		−30°C +80°C / −22°F +176°F	
General data ZeverCloud support ● Integrated webserver ● Multt-language support EN, DE Certificates and approvals CE Feature Number of connected inverters Max. 50 Inverter fault alarm output ● Multti-Function Switch ● Active power limit setting ● Power management [®] ● Storage 5 days			
ZeverCloud support Integrated webserver Multi-language support Certificates and approvals Feature Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management [®] Storage • • • • • • • • • • • • •	Protection class	IP20	
Integrated webserver Multi-language support Certificates and approvals Certificates and approvals Feature Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management [®] Storage • • • • • • • • • • • • •			
Multi-language support EN, DE Certificates and approvals CE Feature Number of connected inverters Max. 50 Inverter fault alarm output • Multi-Function Switch • Active power limit setting • Power management [®] • Storage 5 days		•	
Certificates and approvals Feature Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management ¹⁾ Storage CE Max. 50 Max. 50 Max. 50		•	
Feature Number of connected inverters Max. 50 Inverter fault alarm output ● Multi-Function Switch ● Active power limit setting ● Power management [®] ● Storage 5 days			
Number of connected inverters Inverter fault alarm output Multi-Function Switch Active power limit setting Power management ¹⁾ Storage Max. 50	Certificates and approvals	CE	
Inverter fault alarm output Multi-Function Switch Active power limit setting Power management [®] Storage • • • • • • • • • • • • •	Feature		
Multi-Function Switch • Active power limit setting • Power management [®] • Storage 5 days		Max. 50	
Active power limit setting Power management [®] Storage		•	
Power management [®] Storage 5 days		•	
Storage 5 days		•	
		•	
Firmware update Ethernet, USB		5 days	
	Firmware update	Ethernet, USB	

• standard o optional - not available

1) Available only for selected country code settings

As of April, 2016 / Technical data is subject to revisions.

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