



ONYX
SERIES

OFF GRID SOLAR INVERTER

DATASHEET



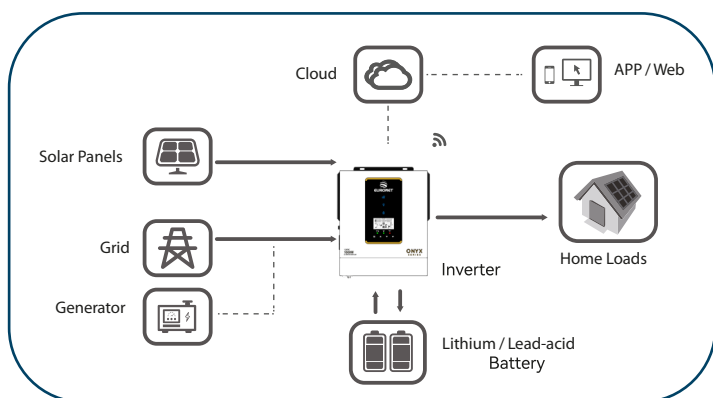
1.0KW | 2.0KVA | 3.2KW | 4.2KW | 6.2KW | 10.2KW



OFF GRID SOLAR INVERTER

ONYX
SERIES

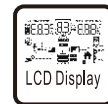
12VDC
1000W
E-ONYX100012V



PRO 1.0KW MPPT 40A

»» Features

- Pure sine wave solar inverter
- Built-in 40A MPPT solar charger
- PV input voltage range 20~150VDC
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life meet rich customized demands
- Solar energy is provided directly to the load first



**EURONET****» SPECIFICATIONS**

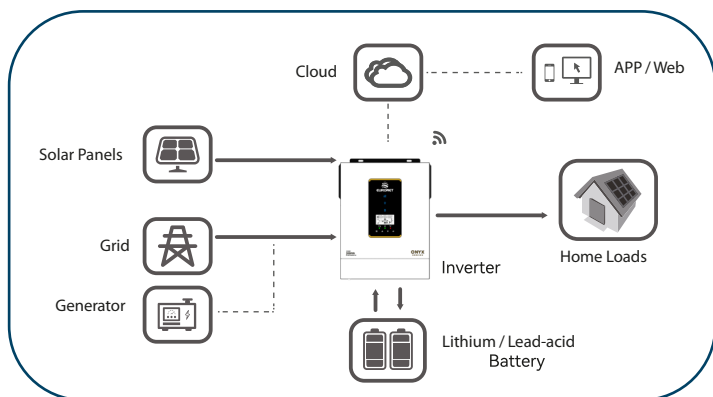
MODEL	E-ONX100012V
Rated Power	1000W/1000VA
AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computers)
	90~280VAC(For Home Appliances)
Frequency Range	50 Hz/60Hz(Auto sensing)
AC OUTPUT	
AC Voltage Regulation	230VAC $\pm$ 5%
Surge Power	2000VA
Efficiency(Peak) PV to INV	98%
Efficiency(Peak) Battery to INV	94%
Transfer Time	10ms
BATTERY	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	600W
MPPT Range @ Operating Voltage	20~150VDC
Maximum PV Array Open Circuit Voltage Solar	150VDC
Maximum Solar Charging Current	40A
Maximum AC Charging Current	40A
Maximum Solar+AC Charging Current	80A
PHYSICAL	
Dimension. H*W*D(mm)	290*240*91
Cartoon Dimension ,H*W*D(mm)	340*295*145
Net Weight(kgs)	3.5
Gross Weight(kgs)	4.0
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non~condensing)
Operating Temperature	-10 C to 50 C ° °
STANDARD	
Compliance Safety	CE



OFF GRID SOLAR INVERTER

**ONYX
SERIES**

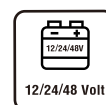
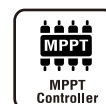
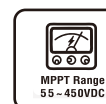
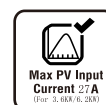
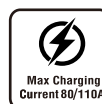
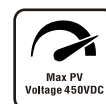
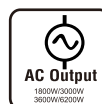
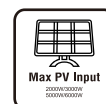
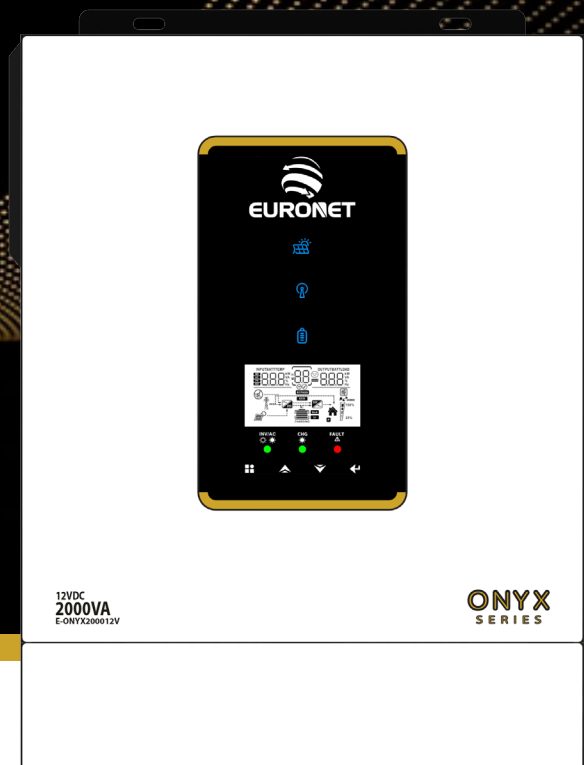
**24VDC
2000 VA
E-ONYX200024V**



PRO 2.0KVA MPPT 80A

»» Features

- Pure sine wave inverter
- Programmable supply priority for PV,battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max **80A** MPPT solar charge
- Compatibe with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload,high temperature,inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android



**EURONET****»» SPECIFICATIONS**

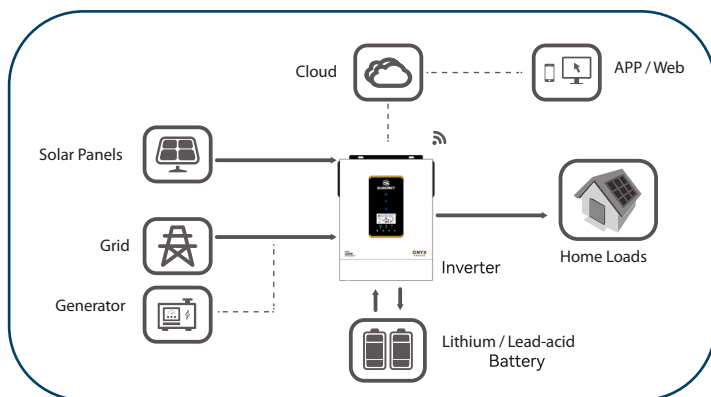
MODEL	E-ONYX200024V
Rated Power	2200VA
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	4400VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Over charge Protection	15.5VDC
Maximum charge current	60A
SOLAR CHARGER	
MAX.PV Array Power	2000W
MPPT Range @ Operating Voltage	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	80A
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	405*286*98mm
Net Weight(kgs)	4.5kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C



OFF GRID SOLAR INVERTER

ONYX
SERIES

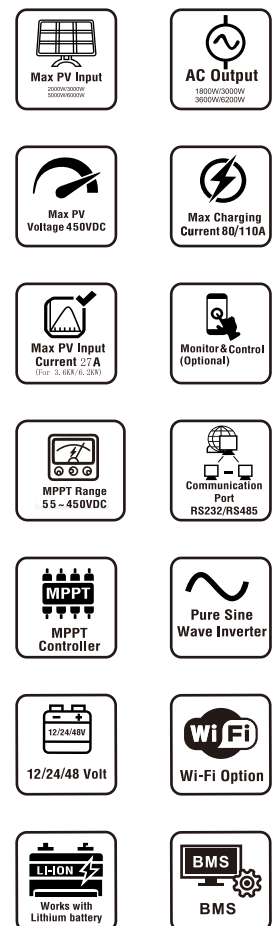
24VDC
3200W
E-ONYX320024V



PRO 3.2KW MPPT 80A

» Features

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 80A MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment(optional)
- WIFI&GPRS available for IOS and android



**EURONET****»» SPECIFICATIONS**

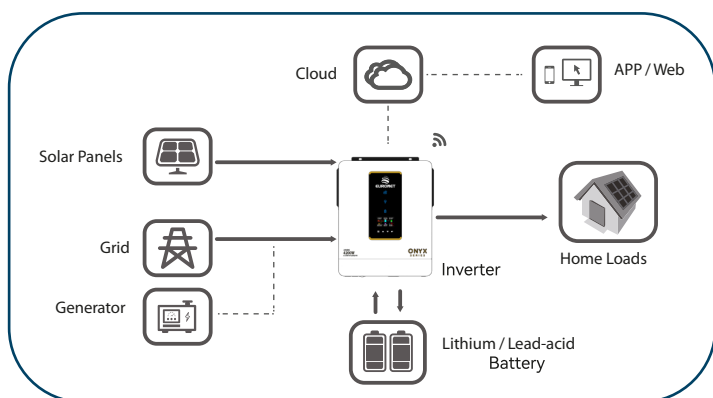
MODEL	E-ONYX320024V
Rated Power	3200VA/3200W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	6400VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Over charge Protection	31VDC
Maximum charge current	60A
SOLAR CHARGER	
MAX.PV Array Power	3000W
MPPT Range @ Operating Voltage	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	80A
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	405*286*98mm
Net Weight(kgs)	5.0kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C



OFF GRID SOLAR INVERTER

**ONYX
SERIES**

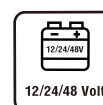
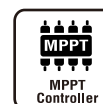
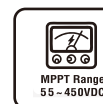
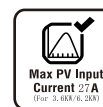
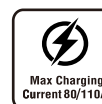
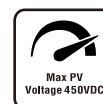
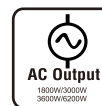
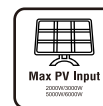
**24VDC
4200W
E-ONYX420024V**



PRO 4.2KW MPPT 110A

»» Features

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment(optional)
- WIFI&GPRS available for IOS and android



**EURONET****»» SPECIFICATIONS**

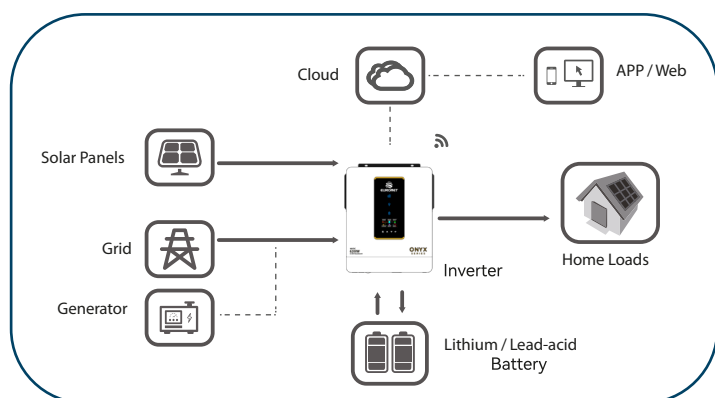
MODEL	E-ONYX420024V
Rated Power	4200VA/4200W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	8400VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)
Waveform	Pure Sine Wave
BATTERY & AC CHARGER	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Over charge Protection	31VDC
Maximum charge current	80A
SOLAR CHARGER	
MAX.PV Array Power	6000W
MPPT Range @ Operating Voltage	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	110A
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	423*290*100mm
Net Weight(kgs)	6.8kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C



OFF GRID SOLAR INVERTER

**ONYX
SERIES**

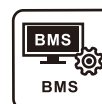
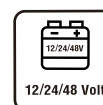
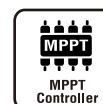
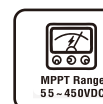
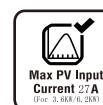
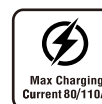
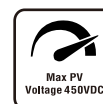
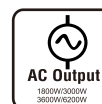
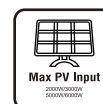
**48VDC
6200W
E-ONYX620048V**



PRO 6.2KW MPPT 110A

» Features

- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh environment (optional)
- WIFI & GPRS available for IOS and android



**EURONET****»» SPECIFICATIONS**

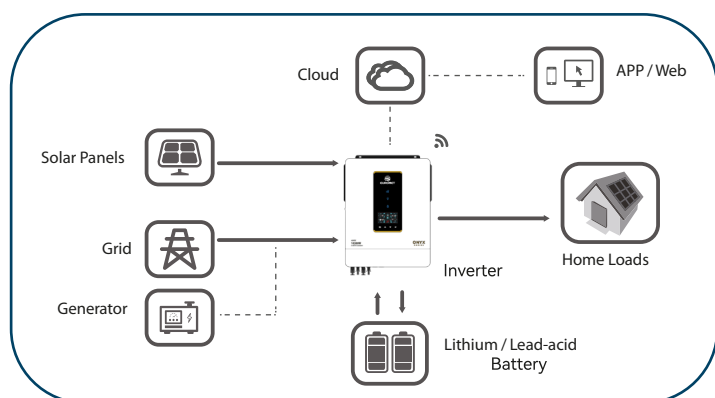
MODEL	E-ONYX620048V
Rated Power	7000VA/6200W
INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt.Mode)	230VAC±5%
Surge power	14000VA
Transfer Time	10ms(for personal computers) 20ms(for home appliances)
Waveform	Pure Sine Wave
BATTERY&ACCHARGER	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Over charge Protection	61VDC
Maximum charge current	80A
SOLAR CHARGER	
MAX.PV Array Power	6000W
MPPT Range @ Operating Voltage	55-450VDC
Maximum PV Array Open Circuit Voltage	450VDC
Maximum Charging Current	110A
Maximum Efficiency	98%
PHYSICAL	
Dimension.D*W*H(mm)	423*290*105mm
Net Weight(kgs)	7. 5kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 55°C
Storage Temperature	-15°C to 60°C



HYBRID SOLAR INVERTER

ONYX
SERIES

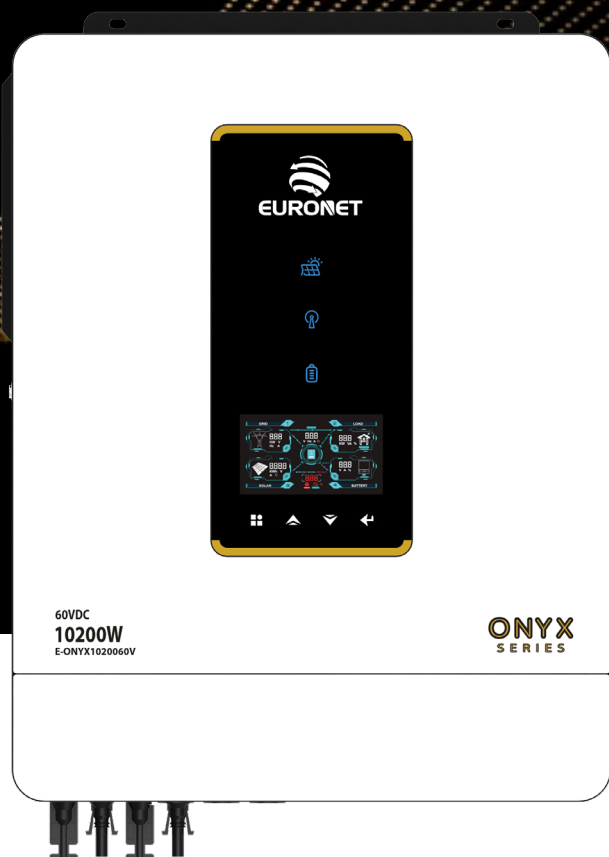
48VDC
10200W
E-ONYX1020048V



PRO 10.2KW MPPT 160A

»» Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI & GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger
- High PV input voltage range(90~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode
- Built Remove LCD Display and Key



**RGB
LIGHTS**

**160A
MAX PV
CHARGING**

**DUAL
SMART & MAIN LOAD**

**UPGRADED
MPPT**

**WORKS WITH
AND WITHOUT
BATTERY**

APP

WIFI&GPRS

Removable display

DUSTPROOF

LCD Display

**EURONET**

» SPECIFICATIONS

MODEL	E-ONYX1020048V
Phase	1-phase
Maximum PV Input Power	5400W+5400W
Rated Output Power	10200W/10200VA
Maximum Solar Charging Current	160A
GRID-TIE OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	90~450VDC
Maximum Input Current	2/18A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
EFFICIENCY	
Maximum Conversion Efficiency(DC / AC)	98%
TWO LOAD OUTPUT POWER	
Full Load	10200W
Maximum Main Load	10200W
Maximum Second Load(battery mode)	3400W
Maximum Load Cut Off Voltage	52VDC
Maximum Load Return Voltage	54VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90~280VAC or 170~280VAC
Frequency Range	50±1Hz/60±1Hz
Maximum AC input Current	60A
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	90~450VDC
Maximum Input Current	2/18A
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Wave Form	Pure sine wave
Efficiency (DC to AC)	94%
BATTERY&CHARGER	
Nominal DC Voltage	48VDC
Maximum Solar Charging Current	160A
Maximum AC Charging Current	140A
Maximum Solar+AC Charging Current	160A
HYBRID OPERATION	
PV INPUT(DC)	
Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	90~450VDC
Maximum Input Current	2/18A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	44.3A
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	60A
Maximum Charging Current	140A
GENERAL	
PHYSICAL	
Dimension ,H*W*D(mm)	530*390*170
Cartoon Dimension ,H*W*D(mm)	618*463*242
Net Weight (kgs)	16.2
Gross Weight(kgs)	16.8
INTERACE	
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non-condensin
Operating Temperature	-10 C°-50 C
STANDARD	
Compliance Safety	CE



EURONET

www.euronetworld.com