The customer is the focus

Power units are everyday items, but hardly anyone knows the technical specifications of these commonplace products. Anyone who wants to replace a lost or defective power unit is faced with a difficult choice. The dealers' shelves are full of countless models with a multitude of different plugs. The new Vivanco power unit range, therefore follows a completely new logic, which starts with the APPLICATION of the product.

With the aid of this simple classification, it is easy to find the correct power unit on the shelf:

The range is divided into 4 DEVICE CLASSES:
- Small electronic devices: portable audio devices such as radios, discman/walkman, active loudspeakers as well as pocket calculators, Babyfones, kitchen scales
- iPad, iPhone & iPod / smartphones / mobil phones / MP3 player
- Cameras / portable navigation devices
- Portable computers: laptops, netbooks

In addition, the power units are classified according to WHERE THEY ARE USED:
- at home
- in the car

For electronic appliances

**AC/DC power adapter for electronic appliances**
- Compact and light weighing
- For worldwide use
- GS, CE
- Input: 100–240V~ / 60/50Hz / 0.25A max.
- Max. output power/current: 12W / 1000mA max.
- Stand-by power: < 0.3W*
- Efficiency: max. 75%*
- Output voltages: 3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12V ; max. 12VA
- Output plugs: 2.5mm / 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 5.5 x 1.5mm / 2.35 x 0.75mm

**DC/DC car power adapter for electronic appliances**
- Compact and light weighing
- For worldwide use
- E Mark: CE, (E4) 10R-021536
- Input: 12–13.8V
- Max. output power/current: 14.4W / 1200mA max.
- Efficiency: max. 93%
- Output voltages: 1.5 / 3.0 / 4.5 / 6.0 / 7.5 / 9.0 / 12V
- Output plugs: 2.5mm / 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 5.5 x 1.5mm / 2.35 x 0.75mm
For smartphones, mobile phones, MP3

Car power adapter for Apple iPad®, iPhone®, iPod® and other USB devices
- Charges all USB chargeable appliances
- E Mark: CE (E4)
- Input: 12–13.8V
- Output: 5V / 2100mA (voltage according to USB standard)
- Max. output power/current: 10.5W
- Output plugs: USB type A at the car power supply
- Cable length: 1m
- Cable type: USB type A → Apple dock connector
- Surge protection

Power adapter for Apple iPhone®, iPod® and other USB devices
- Charges all USB chargeable appliances
- GS, CE
- Input: 100–240V~, 60/50Hz, 130mA max.
- Output: 5V / 1000mA max. (voltage according to USB standard)
- Max. output power/current: 5W
- Output plugs: USB type A at the power supply
- Cable length: 1m
- Cable type: USB type A → Apple dock connector
- Surge protection
- Stand-by power: < 0.3W

Car power adapter for Apple iPhone®, iPod® and other USB devices
- Charges all USB chargeable appliances
- E Mark: CE (E4)
- Input: 12–13.8V, 500mA max.
- Output: 5V / 1000mA max. (voltage according to USB standard)
- Max. output power/current: 5W
- Output plugs: USB type A at the car power supply
- Cable length: 1m
- Cable type: USB type A → Apple dock connector
- Surge protection

Charging adapter for div. USB and micro USB devices, smartphones and MP3-player
- Micro USB cable
- Compact design
- Charges all USB chargeable appliances
- GS, CE
- Input: 100–240V~, 60/50Hz
- Output: 5V / 1000mA (voltage according to USB standard)
- Max. output power/current: 5W
- Output plugs: USB type A at the power supply
- Cable length: 1m
- Cable type: USB type A → USB type micro B
- Surge protection
- Stand-by power: < 0.3W
For smartphones, mobile phones, MP3

AC/DC charging adapter for MP3 players and mobile phones
- For all USB chargeable MP3 player: Apple iPod/iPhone
- Micro USB mobile phone charger compliant to new EU mobile phone charging standard, Nokia compatible
- Charges all USB chargeable appliances
- GS, CE
- Input: 100–240V~/60/50Hz/0.13A max.
- Max. output power/current: 5W / 1000mA max.
- Stand-by power: < 0.3W*
- Efficiency: max. 85%
- Output voltages: 5V (+/- 5% according to USB standard)
- Output socket: Output plugs: USB socket type A, micro and mini USB plugs with enclosed adapter lead

DC/DC car charging adapter for MP3 players and mobile phones
- For all USB chargeable MP3 players, e.g. iPod/iPhone
- Micro USB mobile phone charger compliant to new EU mobile phone charging standard, Nokia compatible
- Charges all USB chargeable appliances
- E Mark: CE, (E4) 10R-021618
- Input: 12–13.8V / 540mA max.
- Max. output power/current: 5W / 1000mA max.
- Output voltages: 5V (+/- 5% according to USB standard)
- Output socket: Output plugs: USB socket type A micro and mini USB plugs by using supplied adapter lead

For cameras, navigation systems

AC/DC power adapter for digital cameras and satellite navigation systems
- Charging/Power adapter for frequently used digital cameras, satellite navigation systems and many other devices
- Charges all USB chargeable devices
- For worldwide use
- GS, CE
- For digital cameras made by e.g.: Canon / CASIO / FUJIFILM / HP PhotoSmart series etc. / JVC / KODAK / KYOCERA/ MINOLTA/ NIKON Coolpix series etc. / OLYMPUS C series / D series / E series / PANASONIC / RICOH Caplio series etc. / SONY / TOSHIBA / etc.
- Input: 100–240V; 60/50Hz; max. 0.55A
- Max. output power/current: 27W / 2250mA max.
- Stand-by power: < 0.3W*
- Efficiency: max. 84%
- Output voltages: 3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12V
- Output plugs: 0.75 x 2.35mm/ 1.35 x 3.5mm/ 1.7 x 4.0mm/ 1.7 x 4.75mm/ 2.1 x 5.5mm/ 2.5 x 5.5mm, micro and mini USB
- Output socket: USB A
For laptops and netbooks

AC/DC power adapter for netbooks
- Charging/Power adapter for frequently used netbooks and laptops
- Piano varnish surface, compact design
- For worldwide use
- GS, CE
- Input: 100–240V~/60/50Hz; max. 1.3A
- Max. output power/current: 65W/9.5–18.5V: 3.5A; 19–20V: 3.25A
- Stand-by power: < 0.5W
- Efficiency: max. 88%
- Output voltages: 9.5 /12.0 /14.0 /16.0 /18.5 /19.0 /20.0V
- Output plugs for: Dell / Samsung / Sony / Fujitsu Amilo: 6.5 x 1.0 / 12mm
  Sony VAIO TZ series / Samsung / Fujitsu / Dell: 6.5 x 4.3 x 1.4 / 10mm
  HP netbook: 7.4 x 5.1 / 13mm HP / Compaq / NEC / Toshiba / Lenovo: 5.5 x 2.1 / 12mm Asus EEE PC: 5.0 x 2.5 / 10mm LG X series / HP /
  Compaq / Asus: 4.75 x 1.75 / 10mm Samsung: 5.5 x 3.4 / 10mm Gigatech /
  IBM: 5.5 x 2.5 / 10.5mm

AC/DC Power Adapter for laptops and netbooks
- Charging/Power Adapter for frequently used Netbooks and Laptops
- Rubber surface, compact design
- For worldwide use
- GS, CE
- Input: 100 – 240V; 60/50Hz; max. 1.5A
- Max. Output Power/Current: 72W / 9.5 – 20V: 3.5A; 24V: 3A
- Stand-by Power: < 0.5W
- Efficiency: max. 85%
- Output Voltages: 9.5 / 12.0 / 16.0 / 18.5 / 19.0 / 20.0 / 24.0V
- Output Plugs for: Dell / Samsung / Sony / Fujitsu Amilo: 6.5 x 1.0 / 12mm
  Sony VAIO TZ series / Samsung / Fujitsu / Dell: 6.5 x 4.3 x 1.4 / 10mm
  HP netbook: 7.4 x 5.1 / 13mm HP / Compaq / NEC / Toshiba / Lenovo: 5.5 x 2.1 / 12mm Asus EEE PC: 5.0 x 2.5 / 10mm LG X series / HP /
  Compaq / Asus: 4.75 x 1.75 / 10mm Samsung: 5.5 x 3.4 / 10mm Gigatech /
  IBM: 5.5 x 2.5 / 10.5mm

Car power adapter for laptops
- Charging/Power adapter for frequently used laptops
- Piano varnish surface, compact design
- For worldwide, also air, use
- E Mark: CE, (E4) 10R-021610
- Input: 12–13.8V, max. 8A
- Max. output power/current: 72W / 15–18V: 4A; 19–24V: 3A
- Output Voltages: 15 / 16 / 18 / 19 / 20 / 22 / 24V
- Output plugs for: Dell / Samsung / Sony / Fujitsu Amilo: 6.5 x 1.0 / 12mm
  BenQ Joybook Lite: 5.5 x 2.5 / 12.5mm HP / Compaq / NEC / Toshiba /
  Lenovo: 5.5 x 2.1 / 12mm Compaq / Gateway / HP / Sharp /
  Winbook: 5.5 x 1.75 / 12mm Sharp / Dell: 7.7 x 6.7 x 2.5 / 10mm
Universal

Universal AC/DC power adapter
- Universal replacement of many original power adapters
- For all USB chargeable MP3 players, also iPhone/iPod
- Micro USB charging compliant to new EU mobile phone standard, Nokia compatible
- For charging of most USB chargeable devices, e.g. SatNav
- GS, CE
- Input: 100–240V, 60/50Hz; max. 0.35A
- Max. output power/current: 18W / 1500mA max.
- Stand-by power: < 0.3W*
- Efficiency: max. 83%*
- Output voltages: 3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12V
- Output plugs: 2.5mm / 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 5.5 x 1.5mm / 2.35 x 0.75mm, micro and mini USB
- Output socket: USB A

Universal Car DC/DC power adapter
- Compact and light weighing
- For car and truck use
- For worldwide use
- E Mark: CE, [e13] 020811
- Input: 12 – 24V=
- Max. Output Power/Current: 24W / 2000mA
- Output Voltages: 1.5 / 3.0 / 4.5 / 6.0 / 7.5 / 9.0 / 12V (12V only to 24V=)
- Output Plugs: 2.5mm / 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 5.5 x 1.5mm / 2.35 x 0.75mm

Vivanco special models

DC/DC Car Power Adapter with USB output, 3V-12V, 3A max.
- Charging/Power Adapter for frequently used, Digital Cameras, SatNavs, Smartphones, Mobile Phones, MP3 Player and many other devices
- Charges all USB chargeable devices
- For worldwide use
- Green backlight around USB output
- Overload Protection (Current/Power)
- Input: 12V–13.8V= / max. 3.5A
- Output Voltage: 3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.5V= / max. 3A 12.0V= / max. 3A (only for 13.8V Input)
- USB Output: 5V= / 1A
- Building-in fuse link: 4A / 250V=
- Micro- and Mini USB tip
- Output Socket: USB A
- Cable length: 1.80m
- 9 pcs. tips for different devices:
  1) J : 1.75 x 4.75
  2) E: 2.1 x 5.5
  3) G: 2.5 x 5.5
  4) H: 1.35 x 3.5
  5) I: 1.7 x 4.0
  6) S: 0.75 x 2.35
  7) FMUSB
  8) FUSB (Micro)
  9) FNUSB (Mini)
**Vivanco special models**

**150W Car Power DC/AC inverter with USB charging function**
- Input: 12–13.8V / max. 16A max.
- Max. output power/current: 300W (shortly - 0.3 sek.) / 150W
- Output voltage: 220–240V / 50Hz
- Output USB: 5V , 500mA max., USB socket type A
- Output Car socket: 12V , 1000mA
- Fuse: 20A
- Operation by enviroment temperature up 0°C bis 25°C

**Car socket multiplier with USB charging function**
- Input: 12–13.8V
- Max. output power/current: 12W / 1000mA
- Output sockets: 3x 12V / max. 1000mA also for cigarette lighter
- USB: 5V (USB), max. 500mA

**Car socket multiplier**
- Doubles power connector sockets in vehicle
- Input plug: cigarette lighter
- E Mark: CE, (Ed) 10R-021121
- Input: 12–13.8V
- Max. output power/current: 42W / 3500mA
- Output socket: 2x 12V

**Universal AC/DC power adapter**
- Compact and light weighing
- For worldwide use
- GS, CE
- Input: 100–240V; 60/50Hz; max. 0.16A
- Max. output power/current: 7.2W / 600mA max.
- Stand-by power: < 0.3W
- Efficiency: max. 70%
- Output voltages: 3.0 / 4.5 / 5.0 / 6.0 / 7.5 / 9.0 / 12V
- Output plugs: 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 2.35 x 0.75mm

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**CPC 160**
- EDP-No. 32374
- ctn qty. 5

**CPM 03 USB**
- EDP-No. 27839
- ctn qty. 5

**CPM 02**
- EDP-No. 27840
- ctn qty. 5

**PA 600**
- EDP-No. 27822
- ctn qty. 10
Vivanco special models

**Universal DC/DC car power adapter**
- Compact and light weighing
- For worldwide use
- E Mark: CE, (E4) 10R-021419
- Input: 12–13.8V
- Max. output power/current: 9.6W / 800mA
- Output voltages: 1.5/ 3.0 / 4.5 / 6.0 / 7.5 / 9.0 / 12V
- Output plugs: 3.5mm / 5.0 x 2.1mm / 5.5 x 2.5mm / 3.5 x 1.35mm / 4.0 x 1.7mm / 2.35 x 0.75mm

**Universal USB charging adapter**
- For all USB chargeable MP 3 players, also iPhone/iPod
- For charging of most USB chargeable devices, e.g. satellite navigation systems
- GS, CE
- Input: 100–240V; 60/50Hz; max. 0.13A
- Max. output power/current: 5W / 1000mA
- Stand-by power: < 0.3W*
- Efficiency: max. 85%*
- Output voltages: 5V (+- 5% USB standard compliant)
- Output socket: USB socket type A

**Universal USB car charging adapter**
- For all USB chargeable MP 3 players, also iPhone/iPod
- For charging of most USB chargeable devices, e.g. satellite navigation systems
- E Mark: CE, (E4) 10R-021618
- Input: 12–13.8V
- Max. output power/current: 5W / 540mA max.
- Output voltages: 5V (+- 5% USB standard compliant)
- Output socket: USB socket type A

**Plug-in Chargers**

**Standard Plug-in Battery Charger with USB Outlet**
Standard Plug-in Battery Charger, 150 mA, with USB Outlet, for 2 or 4 AA / AAA Ni-MH/ Ni-Cd Batteries(without battery pack)
- USB outlet with overload protection
- Gentle battery charge
- For 2 or 4 pcs. AA / AAA Ni-Cd / Ni-MH batteries
- It incorporates an USB outlet to charge electronics devices in the meantime
- Input Voltage: 100–240V~ , 60/50Hz (euro plug) Output: 0.72VA max.
- Charge Current: 2x (2.8V=, 150mA) AA / AAA USB output: 5V / 1000mA USB output: 5V / 1000mA (USB charging only) 5V / 852mA (USB & 2 pcs. batteries charging) 5V / 700mA (USB & 4 pcs. batteries charging)
- Batteries Charging Time Table:
  - Batteries Charging Time Table:
  - Battery Type, battery capacity, charge time AAA, 700mAh, 6.5hrs 850mAh, 7.9hrs 900mAh, 8.4hrs AA, 1800mAh, 16.8hrs 2000mAh, 18.7hrs 2200mAh, 20.5hrs 2400mAh, 22.4hrs

**CA 800**
EDP-No. 27821
ctn qty. 10

**PA 1001**
EDP-No. 32390
ctn qty. 10

**CA 1001**
EDP-No. 32391
ctn qty. 10

**ACS 11**
EDP-No. 30758
ctn qty. 10
Plug-in Chargers

Plug-in Battery Charger with USB Outlet
- Standard Plug-in Battery Charger, 150mA, with USB Outlet, for 2 or 4 AA / AAA Ni-MH / Ni-Cd Batteries
- Incl. 2 pcs. AA batteries 2000mAh NiMH
- For 2 or 4 pcs. AA / AAA Ni-Cd / Ni-MH batteries
- It incorporates an USB outlet to charge electronics devices in the meantime
- Input Voltage: 100 – 240V~, 60/50Hz (euro plug)
- Output: 0.72VA max.
- Charge Current: 2x (2.8V=, 150mA) AA / AAA
- USB output: 5V / 1000mA
- USB output: 5V / 1000mA (USB charging only)
- USB output: 5V / 1000mA (USB charging only)
5V / 852 mA (USB & 2 pcs. batt. charging) 5V / 700mA
- Batteries: 1.2V, 2000mAh, AA, NiMH
- Batteries Charging Time Table: AAA / 700mAh / 6.5hrs AAA / 850mAh / 7.9hrs AAA / 900mAh / 8.4hrs AA / 1800mAh / 16.8hrs AA / 2000mAh / 18.7hrs AA / 2200mAh / 20.5hrs AA / 2400mAh / 22.4hrs
- USB outlet with overload protection
- Gentle battery charge

Batteries

Set of button cells, CR2032
- Lithium button cells
- 3.0V
- Content: 2x CR2032

Set of button cells, CR2025
- Lithium button cells
- 3.0V
- Content: 2x CR2025

Set of button cells, 30pcs
Collection of popular button cells combined in a useful set
- Alcaline button cells
- 1.5V
- Content: 30pcs.: 6x AG1 / 6x AG3 / 6x AG4 / 3x AG10 / 3x AG12 / 6x AG13
- Compatibility overview: AG1 - LR621 - 164
AG3 - LR41 - LR736 - 164
AG4 - LR626 - 177
AG10 - LR1130 - 189
AG12 - LR43 - LR1142 - 196
AG13 - LR44 - LR1154 - 157

Set of button cells, LR44
Set of these popular button cells LR41
- Alcaline button cells
- 1.5V
- Content: 10x LR41
- Compatibility overview: LR44 - AG13 - LR1154 - 157
## Batteries

### Set of button cells, LR41
Set of these popular button cells LR41
- Alkaline button cells
- 1.5V
- Content: 10x LR41
- Compatibility overview: LR41 - AG3 - LR736 - 192

### NiMH battery pack, 4x micro 1.2V / 850mAh
- Nickel Metal hydrid
- 1.2V
- 850mAh
- Type: AAA
- Content: 4pcs.

### NiMH battery pack, 4x mignon 1.2V / 2500mAh
- Nickel Metal hydrid
- 1.2V
- 2500mAh
- Type: AA
- Content: 4pcs.

### NiMH battery, rechargeable, AAA-Type, 700mAh, 2pcs.
Ideally in use with digital camera, flashlight, walkie-talkie, clocks.
- NimH 2x Micro 1.2V / 700mAh
- Size: 45 x 10 x 10mm
- Weight: 12g / battery
- Type: AAA
- Content: 2pcs.

### Box for 4 pcs. AA and/or AAA batteries transparent
Best to protect or to carry replacement batteries and rechargeable batteries. Can limit the risk of dangerous short circuits, which may happen if batteries are carried unprotected. Stops wasting of time while looking for loose batteries in (photo-) bag or backpack.
- Universal for 4pcs. AA- or AAA round cells
- Transparent plastic housing
- Batteries are not included