

KDN9172

1U 17" Rackmount LCD Console Drawer
Supports 1280 x 1024 Resolution
104-Key Keyboard with Wired Optical Mouse

User Manual

Legal Information

First English printing, April 2022

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - ☐ Repair or attempted repair by anyone not authorized by us.
 - ☐ Any damage of the product due to shipment.
 - ☐ Removal or installation of the product.
 - ☐ Causes external to the product, such as electric power fluctuation or failure.
 - ☐ Use of supplies or parts not meeting our specifications.
 - ☐ Normal wear and tear.
 - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

< Part. 1 > KDN9172

1.1	Package Content	P.1
1.2	Structure Diagram & Dimension	P.1
1.3	Installation	P.3
1.4	Connection	P.4

< Part. 2 > Specifications / OSD

2.1	Product Specifications	P.5
2.2	Keyboard / Mouse Specifications	P.7
2.3	On-screen Display Operation (OSD)	P.8

< Part. 3 > Options

3.1	DC Power : 12V / 24V / 48V / 125V / 250V	P.10
-----	--	------

Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

How To Clean Your LCD Monitor



Caution :

- To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.
- When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.
- Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.
- Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.
- Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

Cleaning Your Monitor

To clean your LCD safely, please follow these steps :

- ① Disconnect the power cord.
- ② Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

- ① Disconnect the power cord.
- ② Spray a small amount of non-abrasive cleanser on a microfiber cloth.



Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.

- ③ Gently wipe the surface. Use as little pressure as possible.
- ④ Wait until your monitor is completely dry before plugging it in and powering it up.

< Part 1 >

< 1.1 > Package Content



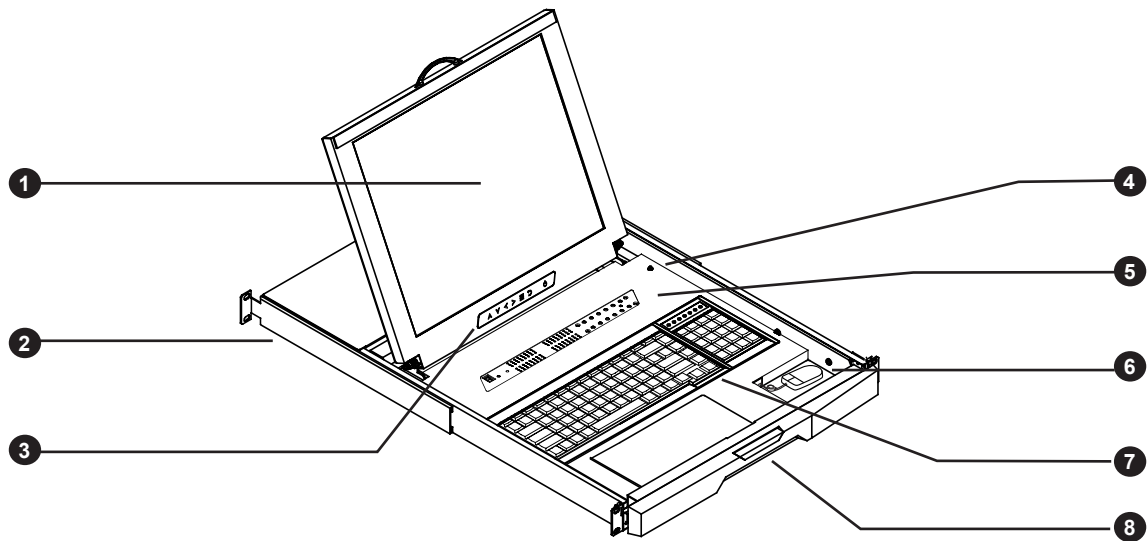
KDN9172 unit X 1

- Wired mini USB optical mouse X 1
- 6ft VGA console cable X 1
- Power cord X 1
- M6 screw, cage nut & cup washer X 8



The above package content is only for the single console models.
It varies with options such as DC power.

< 1.2 > Structure Diagram



① LCD interchangeable module kit

② Installation Slide

③ LCD membrane

④ Microswitch

⑤ Membrane switch (KVM option)

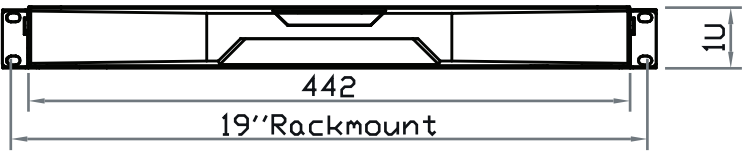
⑥ Mini USB optical mouse

⑦ Keyboard interchangeable module kit

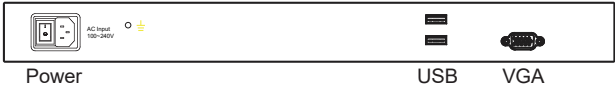
⑧ Carry handle to release the 2-pt lock

< 1.2 > Dimension

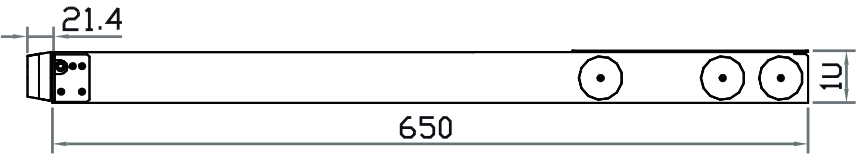
Front View



Rear View

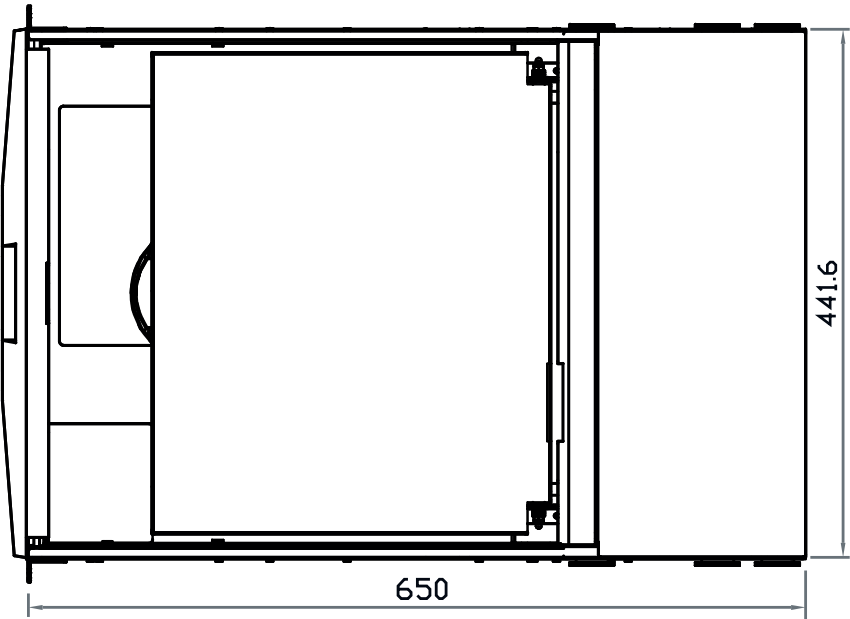


Side View



UNIT : mm
1mm = 0.03937 inch

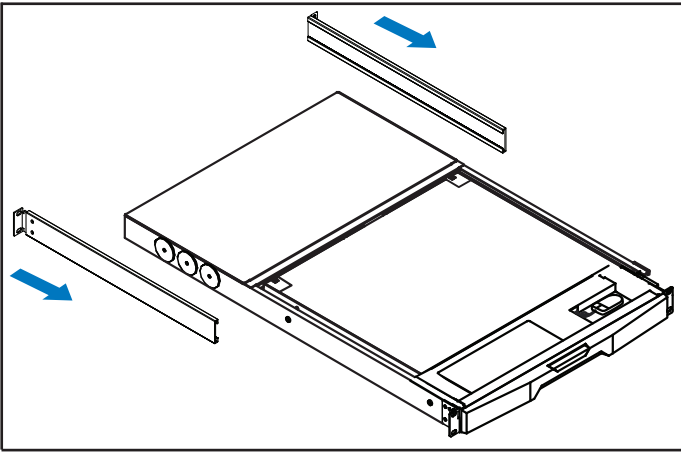
Top View



Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
KDN9172	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	590 x 815 x 140 mm 23.2 x 32.1 x 5.5 inch	14.3 kg 31.5 lb	19.1 kg 42 lb

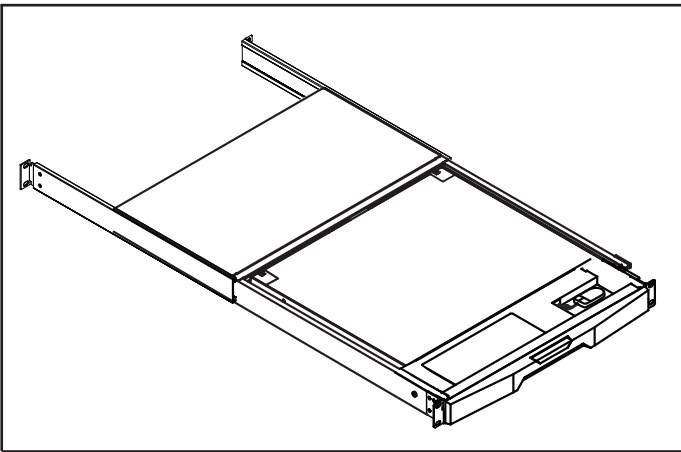
 The weight is only for the single console models. It varies with accessories & options such as DC power.

< 1.3 > Installation - How to install **Installation Slides**



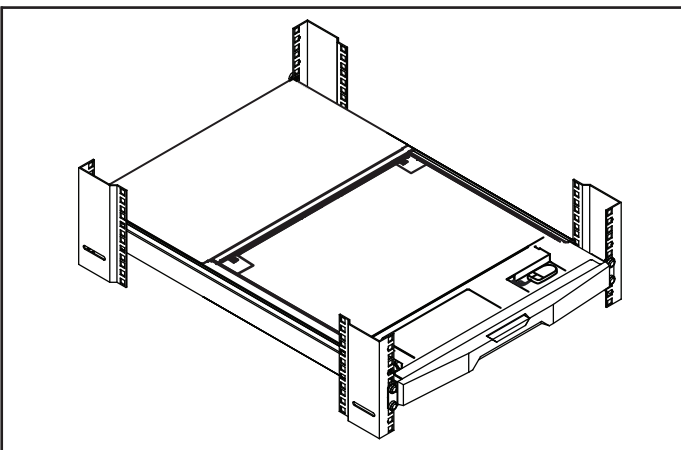
Step 1

- Insert the left and right rear mounting brackets into the LCD console drawer.



Step 2

- Measure the depth of the front and rear mounting rails.
- Align each rear mounting bracket to a suitable length.



Step 3

Complete the installation

- Fix the LCD console drawer into the rack.

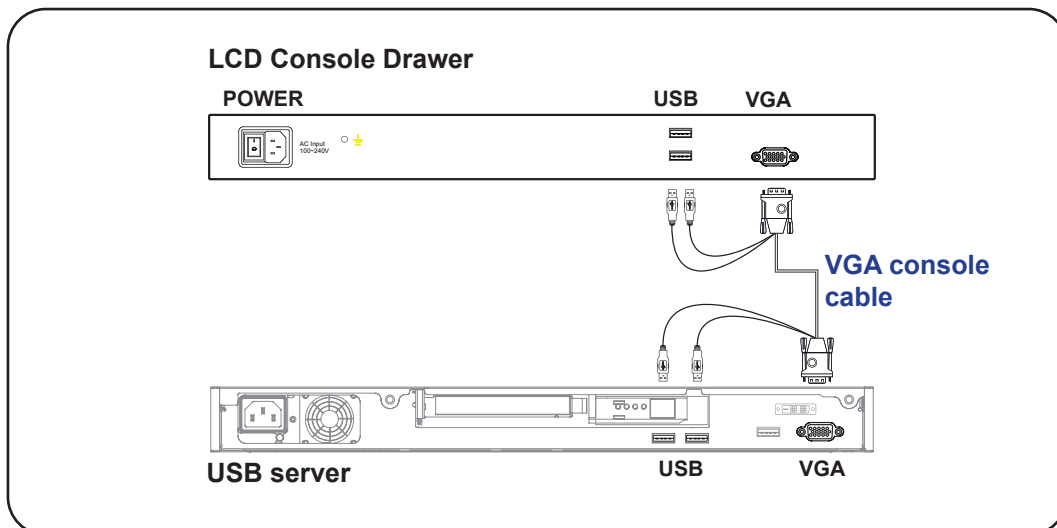
 **M6 screw, cage nut & cup washer x 8 are provided.**



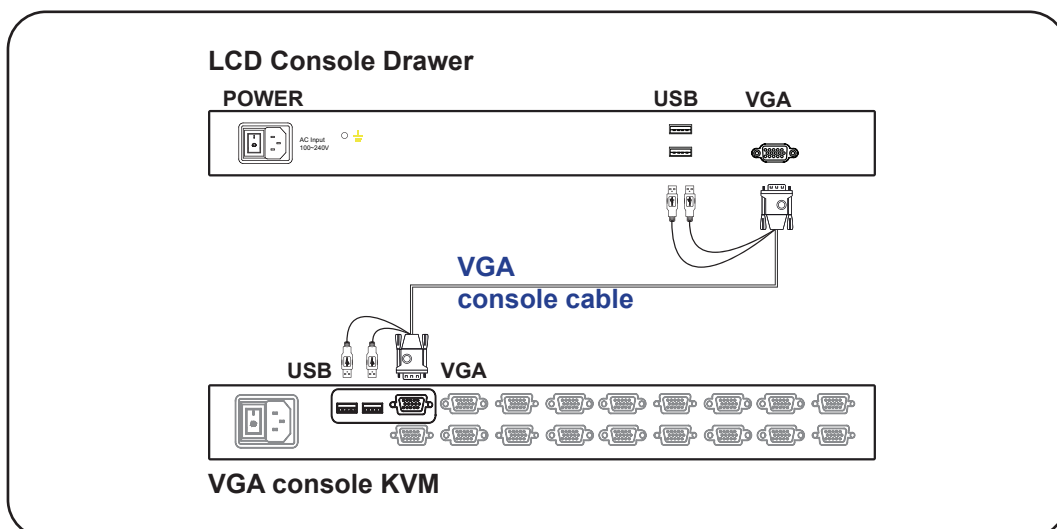
After use the drawer

Basically, user can push in the drawer back to park position by releasing the left & right slide lock arrow (as long as the drawer starts moving, he/she can release their finger right away, holding the arrow is not necessary).

< 1.4 > Connection to **USB Server** via VGA console cable



< 1.4 > Connection to **external KVM** via VGA console cable



Caution : The LCD console drawer is hot-pluggable, but components of connected devices, such as the servers and KVM switch, may not be hot-pluggable. Plugging and unplugging cables while servers and KVM are powered on may cause irreversible damage to the servers, KVM and LCD console drawer. Before attempting to connect anything to the LCD console drawer, we suggest turning off the power to all devices. Apply power to connected devices again only after the LCD console drawer is receiving power. The company is not responsible for damage caused in this way.

< Part 2 >

< 2.1 > Product Specifications

LCD Panel	Manufacturer		
	Panel Size (diagonal)	17-inch TFT color LCD	
	Display pixel (dots x lines)	1280 x 1024	
	Brightness (typ.)	250	
	Contrast Ratio (typ.)	1000:1	
	Color	16.7 M	
	Viewing Angle (L/R/U/D)	85/85/80/80	
	Response Time (ms)	5	
	Dot pitch (mm)	0.264	
	Display Area (mm)	337.92H x 270.33V	
	Surface treatment	Haze 25%, Hard-coating	
	Surface hardness	3H	
	Backlight Type	LED	
	MTBF (hrs)	30,000	

Video Connectivity	Analog	VGA	Analog 0.7Vp-p
	Plug & Play	VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption for Single Console	Screen ON	Max. 22W
		Power saving mode	Max. 2W
		Power button OFF	Max. 1W

Compliance	EMC	FCC & CE
	Safety	CE / LVD & UKCA
	Environmental	RoHS3 & REACH

Environmental Conditions	Operating	Temperature	0 to 55°C degree
		Humidity	20~90%, non-condensing
		Altitude	16,000 ft
	Storage / Non-operating	Temperature	-20 to 60°C degree
		Humidity	5~90%, non-condensing
		Altitude	40,000 ft
		Shock	10G acceleration (11ms duration)
		Vibration	10~300Hz 0.5G RMS random

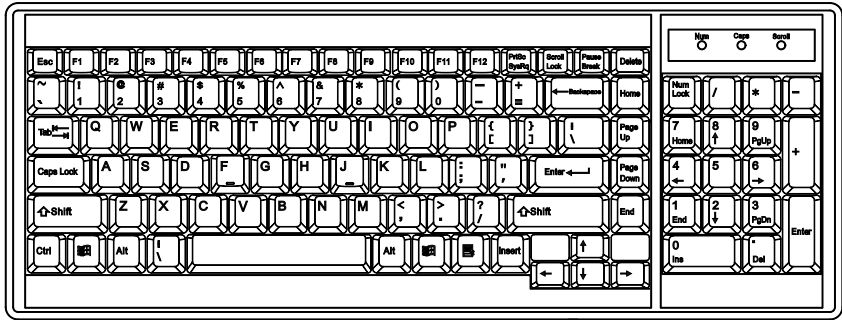
Physical Specification	Product (W x D x H)	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch
	Packing (W x D x H)	590 x 815 x 140 mm 23.2 x 32.1 x 5.5 inch
	Net Weight	14.3 kg / 31.5 lb
	Gross Weight	19.1 kg / 42 lb

* All dimensions stated are subject to change if options are selected / integrated to base model part codes

Applicable Format	VGA Input	PC Signal	1920 x 1080 x 60Hz
			1680 x 1050 x 60Hz
			1440 x 900 x 60Hz
			1360 x 768 x 60Hz
			1280 x 1024 x 60Hz
			1280 x 768 x 60Hz
			1280 x 720 x 60Hz
			1152 x 864 x 60Hz
			1024 x 768 x 60Hz
			800 x 600 x 60Hz
			640 x 480 x 60Hz
	Audio Signal		2ch Linear PCM

< 2.2 > Keyboard / Mouse Specifications

G G keyboard



Wired mini USB optical mouse

Key force	55 ± 5g
Travelling distance	3 ± 0.3mm
Switch life	> 10 million life cycle time
OS support	Windows / Linux / Unix / Mac OS

Supporting layouts

America



United States

EMEA



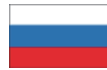
United Kingdom



Germany



France



Russia



Spain



Italy

Asia



Japan



Korea

< 2.3 > On-screen Display Operation (OSD)



Membrane Switch	Function
	Turn the monitor on or off
	Display the OSD menu Act as an Enter key to select screen setting options
   	Scroll through menu options and adjust the displayed control
	Exit the OSD screen Go back to the previous on-screen sub-menu or main menu

Remark : All LED touch buttons in **WHITE** light.

The LED of **Power**  touch button will flash continuously when there is no signal input.

- ① All the LED touch buttons will automatically turn off after 10 minutes of idle status (except the **Power** ).
- ② Light up all membrane buttons, please press any button for 1 - 2 seconds (except the **Power** ).
- ③ Select another video input (only available for models with multiple video input) :
 - (a) Press the button  to call up the on-screen video mode on top right corner.
 - (b) Use up/down arrow   to the select the video input
 - (c) Press the button  to confirm the selection

< 2.3 > On-screen Display Operation (OSD)

Ver: G56SN20SSTD701

1024 x 768 59.8Hz

Image

Brightness 50

Contrast 50

Color Temp User

Red 255

Green 255

Blue 255

Adjust: ←→

Select: ↑↓

Set: /

Exit: ↵

OSD Configuration Page

- Image:

for the brightness, contrast, color temp, red, green, and blue
- Geometry:

for the auto adjust, H position, V position, phase and clock
- Video:

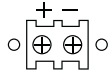
for the colour, tint, sharpness, noise reduction, DCDi and TV Setup
- Audio:

for volume, bass, treble, balance, AVL and mute
- Misc:

for the language, OSD position, graphic mode, ratio, reset and timer

< Part 3 >

< 3.2 > Options : DC Power



Model	12V	24V	48V	125V
Input rating				
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V
Input current				
- No load	50 mA	50 mA	50 mA	35 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA
Output rating				
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A
Efficiency	84%	85%	85%	91%

DC power



*** For DC power option :

- (1) If the unit with LCD, **earthing** may be required
- (2) DC option excludes AC power adapter and power cord.