



## Technical Data

Description	Value
<b>Voltage</b>	
Reference voltage	220V AC
operating voltage range	70%-130%Un
<b>Frequency</b>	
Rated frequency (fn)	50Hz
Frequency range	47.5Hz to 52.5Hz
<b>Electromagnetic Compatibility</b>	
Fast Instantaneous Pulse Group	4kV
Fast transient burst main circuits	4kV
Immunity to Impulse Voltage	6kV
Electrostatic Discharge	Contact discharge, 8kV, 10 cycles Air discharge, 15kV, 10 cycles
<b>Output</b>	
Output voltage	12V DC
Output power	12W
<b>Temperature</b>	
Normal Operation range	-25℃ to +55℃
Limit operation range	-40℃ to +70℃
Limit range for storage and transport	-45℃ to +85℃
<b>Humidity</b>	Up to 95% non-condensing
<b>Protection degree</b>	IP54
<b>Lifetime</b>	
Product lifetime	≥ 15 years
Battery lifetime	10 years
<b>LCD Display</b>	
LCD size	160mm ×160mm
LCD type	Dot matrix monochromatic LCD
<b>Dimension (W × H × D)</b>	290 mm ×180 mm ×95mm
<b>Weight</b>	2kg

### Communication interface

- 3 RS485 interfaces, Baud rate up to 115200bps
- 1 RJ45 interface with ethernet 100/1000 base
- 1 RS232 interface for maintenance, Baud rate up to 115200bps
- 1 optical interface for maintenance
- 1 USB(host) interface for firmware upgrade
- 3G or 4G modem support
- Power line communications (PLC) support

### LCD display

- Large digit LCD display, easy for reading
- Multifunctional menu support
  - 3G/4G signal strength indication
  - DCU essential information display
  - DCU parameters configuration
  - Meters parameters configuration

### Meters data storage

- 1 GB non-volatile Flash support
- Memory scalable and upgradable

### Firmware upgrading

- DCU firmware can be upgraded via USB interface and HES from remote side.
- DCU firmware support formatting or parameters reserved upgrade

### Event management

- Events enable setting support
- Alarm automatic push such as tamper alarm
- Meters events record support
- DC events record support

