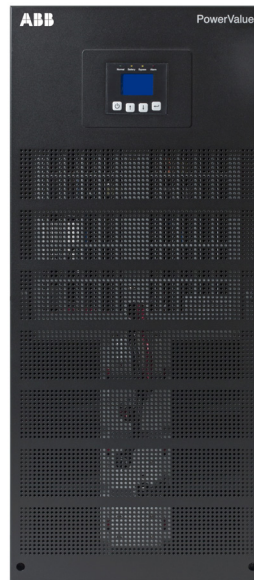


## 7 PowerValue 11 / 31 T

The single-phase UPS for IT rooms, networks and other critical applications



The PowerValue 11/31 T UPS delivers reliable power, low running costs, long battery life, easy maintenance and high levels of flexibility. Featuring double-conversion, voltage and frequency independent (VFI) topology, the PowerValue 11/31 T is available in both 10 and 20 kVA versions, with the option to configure up to four units in parallel to boost power capability or provide redundancy.

### High reliability

- Online double conversion topology
- Parallelable up to four units to provide system redundancy
- Programmed and automated battery tests ensure optimized battery management

### Low cost of ownership

- Simple power increase by paralleling up to four units
- High operating efficiency, regardless of loading
- Reduced installation costs
- Compact design

Three-phase or single-phase inputs can also be accommodated, as well as single- or dual-supply inputs – allowing the customer to manage two independent power sources. Simple to install and with a small footprint, the PowerValue 11/31 T provides stable, regulated, transient-free, pure sine wave AC power with extremely tight output voltage regulation.

### Flexible design

- Different autonomy variations with inbuilt batteries or additional battery cabinets
- Long backup models available
- Single- or three-phase input – adaptable to installation requirements (field configurable)
- Single- or dual-input power source compatible (field configurable)

### Efficient service concept

- Integrated manual bypass switch
- Easy to install and maintain
- User-friendly display
- User-replaceable batteries
- Remote monitoring and connectivity options

# PowerValue 11 / 31 T

## Product features

### Compact power protection up to 80 kVA

PowerValue 11/31T 10 and 20 kVA UPS can be installed in parallel to increase the total system power up to 80 kVA or to add redundancy to the system. The UPSs are delivered with an inbuilt parallel board and paralleling cables. No additional hardware is required for this installation.

PowerValue 11/31T can be configured with up to two matching battery cabinets to satisfy extended runtime demands. Easily accessible and replaceable batteries increase availability and reduce mean time to repair (MTTR).

Up to 4 UPSs  
in parallel



Up to 2 battery  
cabinets in parallel

### Frequency conversion

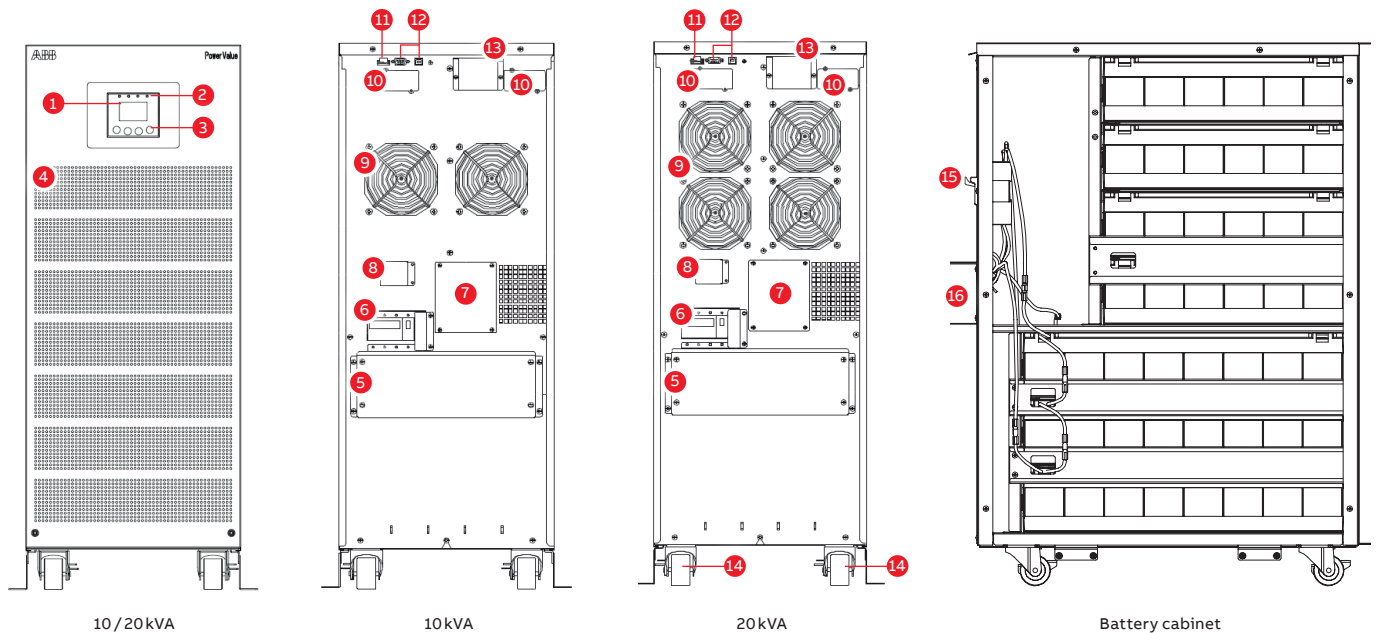
Operating as a frequency converter, PowerValue 11/31T not only converts the power supply frequency (50 Hz to/from 60 Hz), but it also protects the load from power disturbances and guarantees additional battery power in case of mains failure.

The operation and installation is simple and consists merely of correctly wiring the UPS and selecting the frequency conversion mode in the LCD.

- Input frequency range: 40–70 Hz
- Output frequency: 50 Hz or 60 Hz
- Output derating:
  - Single-phase input: 60%
  - Three-phase input: no derating

# PowerValue 11 / 31 T

## Available models



1 LCD	5 Connection terminals	9 Fans	13 Parallel port
2 LEDs	6 Input breaker	10 Network interface / AS400 slot	14 Wheels / support and brakes
3 Control keys	7 Manual bypass	11 EPO contact	15 Fuse holder
4 Ventilation inlets	8 Back-feed protection terminals	12 RS-232 port / USB port	16 Battery connection terminals

### UPS cabinet configuration

- Online double conversion UPS
- Efficiency in online mode up to 93.9%
- Efficiency in eco-mode up to 97%
- Paralleling up to four units allows for increase of capacity or redundancy
- Same model supports different wiring schemes
- Three-phase and single-phase input
- Single- and dual-input feed
- LCD
- Frequency converter operation (50Hz or 60Hz)
- Interfaces: USB, RS-232, ModBus, potential-free contacts, EPO contact inputs
- Emergency power-off for remote shutdown

### Options

- Dry-contact card – relay interface card enables advanced communication between the UPS systems
- Network interface cards – control and monitoring of the UPS via a web browser
- Sensors – combined with the network interface card, humidity and temperature sensors can be integrated into the system and monitored remotely
- Additional battery cabinets that match perfectly with the UPS for scaling autonomy time



# PowerValue 11 / 31 T

## Ordering info table

UPS	External battery module (EBM)	Article number	Power (VA/W)	Typical runtime (min)	Dimensions WxHxD (mm)	Weight (kg)
<b>PowerValue 11/31 T 10kVA</b>		4NWP100117R0001	10000/9000		350x1120x815	58
+	1xEBM 11/31T	4NWP100119R0003	10000/9000	69	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	10000/9000	151		
<b>PowerValue 11/31 T 10kVA B</b>		4NWP100117R0002	10000/9000		350x1120x815	118
+	1xEBM 11/31T	4NWP100119R0003	10000/9000	87	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	10000/9000	176		
<b>PowerValue 11/31 T 10kVA B2</b>		4NWP100117R0003	10000/9000		350x1120x815	178
+	1xEBM 11/31T	4NWP100119R0003	10000/9000	109	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	10000/9000	208		
<b>PowerValue 11/31 T 20kVA</b>		4NWP100118R0001	20000/18000		350x1120x815	67.5
+	1xEBM 11/31T	4NWP100119R0003	20000/18000	29	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	20000/18000	69		
<b>PowerValue 11/31 T 20kVA B</b>		4NWP100118R0002	20000/18000		350x1120x815	188
+	1xEBM 11/31T	4NWP100119R0003	20000/18000	49	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	20000/18000	97		

Table 5: Ordering info

UPS	External battery module (EBM)	Article number	Power (VA/W)	Typical runtime (min)	Dimensions WxHxD (mm)	Weight (kg)
<b>PowerValue 11/31 T 10kVA S</b>		4NWP100117R0004	10000/9000		350x1120x815	58
+	1xEBM 11/31T	4NWP100119R0003	10000/9000	69	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	10000/9000	151		
<b>PowerValue 11/31 T 20kVA S</b>		4NWP100118R0004	10000/9000		350x1120x815	67.5
+	1xEBM 11/31T	4NWP100119R0003	10000/9000	49	350x1120x815 / pc	303 / pc (including batteries)
+	2xEBM 11/31T	2x4NWP100119R0003	10000/9000	97		

Table 6: Ordering info (UPS with enhanced battery charger)